

Paralinear Solutions Team 7

Deliverable 05: Internally Tested System





This deliverable represents the proposed system that Team 7 will build Gohvan Construction to stream line the business process Gohvan Construction is currently using. The proposed system that Paralinear Solution will offer Gohvan construction will be a full business solution which offers features that improve automation within the company, Prevent Human error at all possibly project life cycle stages and through the operation of the business

Contents

1.	I. Introduction	2
2.	2. Motivation For Changes	2
3.	3. Functional Requirement list	2
4.	Functional Requirement Description	9
	4.1 Quotation Subsystem	9
	4.2 Administration Subsystem	13
	4.3 Construction Subsystem	37
	4.4 Invoicing Subsystem	84
	4.5 Human Resource Subsystem	93
	4.6 Team Subsystem	113
	4.7 Inventory Management Subsystem	117
	4.8 Reporting Subsystem	129
	4.9 User Management Subsystem	134
	4.10 Client Subsystem	137
5	5 Conclusion	141
6	S Sign off by team	142
7	7 Sign off by Client	143
8	Sign off by Course-Coordinator	143

1. Introduction

This document lists and explains all the changes to the functional requirements that were present in the previous deliverable and what has been changed in terms of the functional requirements for the upcoming deliverable. The changes listed and explained are there to cater for and meet the requirements for the Gohvan Construction system. A short description of each functional requirement will be present on the list of changes.

2. Motivation For Changes

Our team has changed drastically from the previous deliverable to this deliverable. We believe we are a different team. We unfortunately had to remove a team member from our team. Though we lost a team member, we did not gain another team member. We went from a five-person team developing a massive system. To a four-person team trying to develop the same massive system. The team elected to remove the supplier component due to the increased scope of work due to the loss of a team member. The time constraint for this deliverable is incredibly demanding. This was another factor which motivated our decision to remove the supplier component of the system. We also approached our client and explained our situation to him. Our client approved of our suggested changes to the system.

Besides the supplier component the rest of the system remains virtually the same. The team had to increase the scope of work further. This was due to inconsistencies in our system. Which were identified by the lecturers during our marking session for deliverable 03 and 04. After our team made the suggested changes. We found our system to be dauntingly large. Especially for a team of four Bcom Informatics students.

The team truly believes if we were given slightly more time to develop the system. We would be able to deliver the system we envisioned from the beginning of the project. All systems are different and require different resources to be developed and implemented. As students we believe we faced unique situations which were a first for all 2021 Informatics students and the Informatics department. As a team we faced a situation where no team would want to find themselves to be facing. These factors, to a large extent, we regrettably had no control over. However, our team will strive to the best of our abilities and more to deliver the best system we possibly can with these constraints.

3. Functional Requirement list

1.Quotation Subsystem	
1.1	Create Quote
1.2	Search Quote
1.3	Delete Quote
1.4	Capture Purchase Order



2. Administration Subsystem		
2.1	Create Health and Safety File	
2.2	Search Health and Safety File	
2.3	Edit Health and Safety File	
2.4	Delete Health and Safety File	
2.5	Create Health and Safety Type	
2.6	Search Health and Safety Type	
2.7	Edit Health and Safety Type	
2.8	Delete Health and Safety Type	
2.9	Create Drawing Type	
2.10	Search Drawing Type	
2.11	Edit Drawing Type	
2.12	Delete Drawing Type	
2.13	Upload Formal Drawing	
2.14	Search Formal Drawing	
2.15	Edit Formal Drawing	
2.16	Delete Formal Drawing	
2.17	Upload Second-cut Drawing	
2.18	Search Second-cut Drawing	
2.19	Edit Second-cut Drawing	
2.20	Delete Second-cut Drawing	
2.21	Search As-built document	
2.22	Create As-Built Document	
2.23	Edit As-Built Document	
2.24	Delete As-Built Document	

3.Construction Subsystem	
3.1	Create TSS
3.2	Search TSS
3.3	Edit TSS



3.4	Submit TSS Report
3.5	Search Project
3.6	View Project
3.7	Edit Project
3.8	Capture Site-Go-Ahead
3.9	Search construction
3.10	Edit construction
3.11	Allocate Team Site
3.12	Search Allocated Team
3.13	Update Allocated Team
3.14	Delete Allocated Team
3.15	Upload Compliance Document
3.16	Search Compliance Document
3.17	Edit Compliance Document
3.18	Delete Compliance Document
3.19	Create Site Progress description
3.20	View Site Progress description
3.21	Edit Site Progress description
3.22	Delete Site Progress description
3.23	Upload Complete site photos
3.24	Search Complete site photos
3.25	Edit Complete site photos
3.26	Delete Complete site photos
3.27	Upload Radio Frequency report
3.28	Search Radio Frequency report
3.29	Edit Radio Frequency report
3.30	Delete Radio Frequency report
3.31	Request Site Visit (creates the acceptance document)
3.32	Create Acceptance Document



3.33	Edit Acceptance Document
3.34	Search Acceptance document
3.35	Delete Acceptance Document
3.36	Confirm acceptance document
3.37	Capture Site Sign-off (acceptance schedule)
3.38	Search Site Sign-off (acceptance schedule)
3.39	Edit Site Sign-off (acceptance schedule)
3.40	Delete Site Sign-off (acceptance schedule)
3.41	Capture Commission report
3.42	Search Commission report
3.43	Edit Commission report
3.44	Delete Commission report
3.45	Create Site Type
3.46	Search Site type
3.47	Edit Site Type
3.48	Delete Site Type

4. Invoicing Subsystem	
4.1	Search Invoice
4.2	Send Invoice
4.3	Capture Proof of Payment
4.4	Capture Claim
4.5	Search Proof of Payment
4.6	Search Invoice Type
4.7	Create Invoice Type
4.8	Edit Invoice Type
4.9	Delete Invoice Type

5.Human Resource Subsystem



5.1	Add Employee
5.2	Edit Employee
5.3	Search Employee
5.4	Delete Employee
5.5	Upload Employee Document
5.6	Edit Employee Document
5.7	Search Employee Document
5.8	Delete Employee Document
5.9	Create Account
5.10	Edit Account
5.11	Search Account
5.12	Delete Account
5.13	Create Employee Type
5.14	Search Employee Type
5.15	Edit Employee Type
5.16	Delete Employee Type
5.17	Create Employee Skill
5.18	Search Employee Skill
5.19	Edit Employee Skill
5.20	Delete Employee Skill

6. Team Subsystem	
6.1	Create Team
6.2	Search Team



_

6.3	Edit Team
6.4	Delete Team

7. Inventory Management Subsystem	
7.1	Add-Line Item
7.2	Search-Line Item
7.3	Edit line-item
7.4	Delete Line-Item
7.5	Create Line-Item Type
7.6	Search Line-Item Type
7.7	Edit Line-Item Type
7.8	Delete Line-Item Type
7.9	Create Package Type
7.10	Search Package Type
7.11	Edit Package Type
7.12	Delete Package Type

8. Reporting Subsystem	
8.1	Generate Site Progress Report
8.2	Generate Site Type Report
8.3	Generate Team Site Completed Report
8.4	Generate Employee Document Expiry Report
8.5	Generate Site Acceptance Document

9. User Management Subsystem	
9.1	Login
9.2	Logout
9.3	Reset Password

10. Client Subsystem



10.1	Add Client
10.2	Search Client
10.3	Edit Client
10.4	Delete Client

4. Functional Requirement Description

4.1 Quotation Subsystem

Functional Requirement	Explanation
Requirement number:	1.1
Requirement name (use case name):	Create Quote
Requirement short description:	The Operations Manager creates a quote from a fixed-price list.
Requirement detailed description and constraints:	The Operations Manager takes the line items from the TSS report and enters the required quantities on a fixed-price list. The quote is created and exported to Excel. The system requests confirmation of the quote, and once received, displays it and updates the Project status accordingly.
Business rules applicable to this requirement	Only the Operations Manager is allowed to compile the quote
Revision date and Revision number:	11-05-2021 Version 2.0
Criticality/Priority:	Critical



Functional	Explanation
Requirement	
Requirement number:	1.2
Requirement name (use case name):	Search Quote
Requirement short description:	The Operations Manager provides search criteria in order to find a quote on the system
Requirement detailed description and constraints:	The Operations Manager provides search criteria to search for a quote. The system will capture the search criteria and display the results. The Operations Manager will then select the quote he desired to search for and the system will display it along with its relevant information.
Business rules applicable to this requirement	Only the Operations Manager is allowed to search for a quote.
Revision date and Revision number:	11-05-2021 Version 2.0
Criticality/Priority:	Critical

Functional	Explanation
Requirement	
Requirement number:	1.3
Requirement name (use case name):	Delete Quote
Requirement short description:	The Operations Manager wishes to delete an existing quote on the system.
Requirement detailed description and constraints:	This use case describes the process an Operations manager will go through to delete a specific quote on the system. The use case begins when the Operations Manager wants to delete a specific quote on the system. The use case concludes when the selected record is removed from the system.
Business rules applicable to this requirement	The quote needs to be on the system before it can be deleted.
Revision date and Revision number:	11-05-2021 Version 2.0
Criticality/Priority:	Critical

Functional	Explanation
Requirement	
Requirement number:	1.4
Requirement name (use case name):	Capture Purchase Order
Requirement short description:	The Operations Manager receives a purchase order from the client
Requirement detailed description and constraints:	After the submitted quotation has been approved and the required budget has been allocated, the client then sends a Purchase order. The Financial Officer uploads the purchase order and the system captures it. This use case ends when the Financial Officer is notified that it has been captured successfully and when the project status is updated accordingly.
Business rules applicable to this requirement	The quotation must be approved and the required budget must be allocated in order for it to be considered a Purchase Order.
Revision date and Revision number:	11-05-2021 Version 2.0
Criticality/Priority:	Critical



4.2 Administration Subsystem

Functional	Explanation
Requirement	
Requirement number:	2.1
Requirement name (use case name):	Create Health and Safety file
Requirement short description:	Health and Safety officer creates and uploads a Health and Safety file.
Requirement detailed description and constraints:	This use case describes the process the Health and Safety Officer will go through to create a Health and Safety file containing Health and Safety documents. The use case begins when the Health and Safety officer needs to create a Health and Safety file. The use case concludes when the Health and Safety officer has created and sent the file to the client.
Business rules applicable to this requirement	 Only the Health and Safety officer may upload the Health and Safety file. The client needs to receive a copy of the Health and Safety file User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.2
Requirement name (use case name):	Search Health and Safety file
Requirement short description:	Health and Safety Officer wants to search for a Health and Safety file.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to find a specific Health and Safety file. The use case begins when the Health and Safety officer wants to search for a specific Health and Safety file. The use case concludes when the Health and Safety officer downloads and views the Health and Safety file
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.3
Requirement name (use case name):	Edit Health and Safety file
Requirement short description:	Health and Safety Officer wants to edit a Health and Safety file.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to edit a specific Health and Safety file. The use case begins when the Health and Safety officer wants to edit a specific Health and Safety file. The use case concludes when the Health and Safety officer has edited the Health and Safety file.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.4
Requirement name (use case name):	Delete Health and Safety file
Requirement short description:	Health and Safety Officer wants to delete a Health and Safety file.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to delete a specific Health and Safety file. The use case begins when the Health and Safety officer wants to delete a specific Health and Safety file. The use case concludes when the Health and Safety officer deletes a specific Health and Safety file
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.5
Requirement name (use case name):	Create Health and Safety Type
Requirement short description:	Health and Safety officer wants to create a new Health and safety file type.
Requirement detailed description and constraints:	This use case describes how the health and safety officer creates a new type of Health and safety document to add to the system. The use case begins with the Health and Safety wanting to create a new Health and Safety type. This use case concludes when the Health and Safety officer has created a new Health and Safety type.
Business rules applicable to this requirement	Only the Health and Safety officer may create a new file type.
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	Moderate

Functional	Explanation
Requirement	
Requirement number:	2.6
Requirement name (use case name):	Search Health and Safety Type
Requirement short description:	Health and Safety officer wants to search for Health and safety file type.
Requirement detailed description and constraints:	This use case describes how the health and safety officer searches for type of Health and safety document to add to the system. The use case begins with the Health and Safety wanting to search for a Health and Safety type. This use case concludes when the Health and Safety officer has viewed the Health and Safety type.
Business rules applicable to this requirement	The user needs to be logged into the system.
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	Moderate



Functional	Explanation
Requirement	
Requirement number:	2.7
Requirement name (use case name):	Edit Health and Safety Type
Requirement short description:	Health and Safety Officer wants to edit a Health and Safety type.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to edit a specific Health and Safety type. The use case begins when the Health and Safety officer wants to edit a specific Health and Safety type. The use case concludes when the Health and Safety officer has edited the Health and Safety type.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.8
Requirement name (use case name):	Delete Health and Safety Type
Requirement short description:	Health and Safety Officer wants to delete a Health and Safety type.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to delete a specific Health and Safety type. The use case begins when the Health and Safety officer wants to delete a specific Health and Safety type. The use case concludes when the Health and Safety officer deletes a specific Health and Safety type
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.9
Requirement name (use case name):	Create Drawing Type
Requirement short description:	The drafts person wants to create a new drawing type.
Requirement detailed description and constraints:	This use case describes how the Draftsperson creates a new type of drawing to add to the system. The use case begins with the Draftsperson wanting to create a new Drawing type. This use case concludes when the Draftsperson has created a new Drawing type.
Business rules applicable to this requirement	Only the draftsperson may create a new drawing type.
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	Moderate

Functional	Explanation
Requirement	
Requirement number:	2.10
Requirement name (use case name):	Search Drawing Type
Requirement short description:	The drafts person wants to search for a new drawing type.
Requirement detailed description and constraints:	This use case describes how the Draftsperson searches for type of drawing to add to the system. The use case begins with the Draftsperson wanting to search for a drawing type. This use case concludes when the Draftsperson has viewed the drawing type.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	Moderate

Functional	Explanation
Requirement	
Requirement number:	2.11
Requirement name (use case name):	Edit Drawing Type
Requirement short description:	Draftsperson wants to edit a Drawing Type.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to edit a specific Drawing Type. The use case begins when the Draftsperson wants to edit a specific Drawing Type. The use case concludes when the Draftsperson has edited the Drawing Type.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.12
Requirement name (use case name):	Delete Drawing Type
Requirement short description:	Draftsperson wants to delete a Health and Safety file.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to delete a specific Drawing Type. The use case begins when the Draftsperson wants to delete a specific Drawing Type. The use case concludes when the Draftsperson deletes a specific Drawing Type
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.13
Requirement name (use case name):	Upload Formal Drawing
Requirement short description:	The draftsperson uploads formal drawing
Requirement detailed description and constraints:	This use case describes the process where the drafts person uploads the formal drawing they have created for a specific site. The use case begins when the drafts person wants to upload the formal drawing. The use case concludes when the drafts person has uploaded the formal drawing.
Business rules applicable to this requirement	 The site go-ahead needs to be confirmed before a formal drawing can be made. Only the drafts person can upload a formal drawing. User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.14
Requirement name (use case name):	Search Formal Drawing
Requirement short description:	Draftsperson wants to search for a Formal Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to find a specific Formal Drawing. The use case begins when the Draftsperson wants to search for a specific Formal Drawing. The use case concludes when the Draftsperson downloads and views the Formal Drawing.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.15
Requirement name (use case name):	Edit Formal Drawing
Requirement short description:	Draftsperson wants to edit a Formal Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to edit a specific Formal Drawing. The use case begins when the Draftsperson wants to edit a specific Formal Drawing. The use case concludes when the Draftsperson has edited the Formal Drawing.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.16
Requirement name (use case name):	Delete Formal Drawing
Requirement short description:	Draftsperson wants to delete a Formal Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to delete a specific Formal Drawing. The use case begins when the Draftsperson wants to delete a specific Formal Drawing. The use case concludes when the Draftsperson deletes a specific Formal Drawing
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.17
Requirement name (use case name):	Upload Second cut Drawing
Requirement short description:	The draftsperson uploads second cut drawing
Requirement detailed description and constraints:	This use case describes the process of receiving feedback from the client about the formal drawing and the drafts person making a second cut drawing based on the feedback in which the drafts person will upload the second cut drawing to the system. The use case begins when the client gives feedback on the formal drawing. The use case concludes when the drafts person uploads the second cut drawing to the system. The client gives feedback on the formal drawing.
Business rules applicable to this requirement Revision date and Revision number:	 The site go-ahead needs to be confirmed before a formal drawing can be made. Only the drafts person can upload a formal drawing. User needs to be logged into the system 17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.18
Requirement name (use case name):	Search Second-cut Drawing
Requirement short description:	Draftsperson wants to search for a Second-cut Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to find a specific Second-cut Drawing. The use case begins when the Draftsperson wants to search for a specific Second-cut Drawing. The use case concludes when the Draftsperson downloads and views the Second-cut Drawing
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.19
Requirement name (use case name):	Edit Second-cut Drawing
Requirement short description:	Health and Safety Officer wants to edit a Second-cut Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to edit a specific Second-cut Drawing. The use case begins when the Draftsperson wants to edit a specific Second-cut Drawing. The use case concludes when the Draftsperson has edited the Second-cut Drawing.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.20
Requirement name (use case name):	Delete Second-cut Drawing
Requirement short description:	Health and Safety Officer wants to delete a Second-cut Drawing.
Requirement detailed description and constraints:	This use case describes the process a Draftsperson will go through to delete a specific Second-cut Drawing. The use case begins when the Draftsperson wants to delete a specific Second-cut Drawing. The use case concludes when the Draftsperson deletes a specific Second-cut Drawing
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	2.21
Requirement name (use case name):	Search As-built document
Requirement short description:	The health and safety officer searches for an As built document
Requirement detailed description and constraints:	This use case describes the process in which the Health and Safety Officer searches for a specific As-built document on the system. The use case begins when the Health and Safety Officer wants to find a specific As-built document. The use case concludes when the Health and Safety Officer downloads and views the specific As-built document.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.22
Requirement name (use case name):	Create As-Built Document
Requirement short description:	The health and safety officer generates an As built document
Requirement detailed description and constraints:	This use case describes the health and safety officer creating the As-built document which is a compilation of all relevant information and reports regarding a specific project. The use case begins when the health and safety officer wants to create the Asbuilt document. The use case concludes when the health and safety has created the As-built document. Construction of the site needs to be completed.
Business rules applicable to this requirement	User needs to be logged into the system Only Health and Safety officer can create the As-Built File
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	2.23
Requirement name (use case name):	Edit As-Built Document
Requirement short description:	Health and Safety Officer wants to edit a As-built document.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to edit a specific As-built document. The use case begins when the Health and Safety officer wants to edit a specific As-built document. The use case concludes when the Health and Safety officer has edited the As-built document.
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	2.24
Requirement name (use case name):	Delete As-Built Document
Requirement short description:	Health and Safety Officer wants to delete a As-built document.
Requirement detailed description and constraints:	This use case describes the process a Health and Safety officer will go through to delete a specific As-built document. The use case begins when the Health and Safety officer wants to delete a specific As-built document. The use case concludes when the Health and Safety officer deletes a specific As-built document
Business rules applicable to this requirement	User needs to be logged into the system
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

4.3 Construction Subsystem

Functional	Explanation
Requirement	
Requirement number:	3.1
Requirement name (use case name):	Create TSS
Requirement short description:	This use case narrative describes the process the operations manager will follow when they want to create a new technical site survey (TSS). Creating a new TSS will create a new record in the PROJECT table.
Requirement detailed description and constraints:	The client will send a request for construction of a new site which will require the operations manager to do a technical site survey. A new technical site survey is created on site. The operations manager will be prompted to fill in a form describing the site type, site information and the construction materials required for building the site. The system will capture and validate the site survey information and if the information was validated successfully the system will store it in the PROJECT. The operations manager needs to be logged into the system before creating a new TSS.
Business rules applicable to this requirement	Only the operations manager is allowed to create a new TSS
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.2
Requirement name (use case name):	Search TSS
Requirement short description:	This use case will allow the user to search for a TSS (Technical Site Survey).
Requirement detailed description and constraints:	This use case narrative describes the process the user will follow when they want to search for a TSS (Technical Site Survey). This use case begins when a User wants to search for an existing TSS, the user will enter search parameters such as the TSS site name or the TSS Site client. The system will the validate the search parameter and retrieve and display the search results. • User (PBA): [the management director, director, operations manager, health and safety officer and the draughtsman.] • The User must be logged into the system.
Business rules applicable to this requirement	 Only the operations manager is allowed to create a new TSS
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.3
Requirement name (use case name):	Update TSS
Requirement short description:	This use case will allow the user to edit an existing technical site survey.
Requirement detailed description and constraints:	This use case narrative describes the process the operations manager will follow when they want to edit an existing technical site survey. The user must be logged into the system. The technical site survey that the user wishes to update must exist in the database.
Business rules applicable to this requirement	Only the operations manager is allowed to edit the technical site survey.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.4
Requirement name (use case name):	Submit TSS Report
Requirement short description:	This use case will allow the user to submit the finished technical site survey (TSS).
Requirement detailed description and constraints:	This use case narrative describes the process the operations manager will follow when they want to submit the finished technical site survey (TSS) report. Once the technical site survey is complete the operations manager will request the system to create a TSS report which will be sent to the operations manager via email. The operations manager must be logged into the system. The technical site survey must be complete.
Business rules applicable to this requirement	Only the operations manager is allowed to submit the TSS report.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High





Functional Requirement	Explanation
Requirement number:	3.6
Requirement name (use case name):	View Project
Requirement short description:	The system will allow to user to view the project details.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to view the details of the project itself. • User must be logged onto the system • The project must exist on the system to view.
Business rules applicable to this requirement	None
Revision date and Revision number:	17-08-2021 Version 4.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	3.7
Requirement name (use case name):	Edit Project
Requirement short description:	The system will allow to user to Edit the project details.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the details of the project itself. • User must be logged onto the system • The project must exist on the system to view.
Business rules applicable to this requirement	None
Revision date and Revision number:	17-08-2021 Version 4.0
Criticality/Priority:	Medium



44	4
----	---

Functional Requirement	Explanation
Requirement number:	3.8
Requirement name (use case name):	Capture "Site-Go-Ahead"
Requirement short description:	The system must allow to Operations Manager to capture site-go ahead that is received from the client
Requirement detailed description and constraints:	The client will email the operations manager that construction on the site may commence, the operations manager will capture the Email in a screen shot and upload the screenshot to the system to activate the project status and indicate that the construction site is under progress on the system. This update will indicate to the Procurement and Logistics Officer, Health and Safety Officer and Draftsperson that the site construction may commence. TSS report must be created. Client must have sent the Purchase order indicating that quotations created were correct, thus budgets are set out for the construction project. User must be logged onto the system
Business rules applicable to this requirement	Only the Operations manager can capture the Site-Go-Ahead email onto the system.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.9
Requirement name (use case name):	Search Construction
Requirement short description:	The system will allow the user to search for the site-go-ahead confirmation document and Construction details.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific Site-Go-Ahead and construction details that have been captured and stored on the system. The User will enter the desired search criteria into the system and the corresponding Construction details matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for construction site details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.10
Requirement name (use case name):	Edit construction
Requirement short description:	The system will allow the user to edit the construction site details for the specific project.
Requirement detailed description and constraints:	This use case describes the process the Operations Manager will go through on the system when editing the construction site details. The Operations manager will search for the desired Construction site details that needs to be changed. The System will then present the Construction site details to the Operations manager and prompt the Operations manager to edit the construction site details. The Operations Manager will edit the details on a form presented by the system for the construction site details. The system will then capture the details given, validate that the given data types in the fields are correct and valid. The system will then save the newly entered site details to the system and notify the Operations manager via a pop up that the construction site details are correct.
Business rules applicable to this requirement	 The associated project cannot be changed within the construction site. Only the Operations manager can update the Construction site details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.11
Requirement name (use case name):	Allocate Team Site
Requirement short description:	The system must allow the Operations Manager to allocate an existing team to a construction site.
Requirement detailed description and constraints:	This use describes the process the Operations manager and system will go through when an existing team is allocated to a project to then begin construction. The Operations Manager will select the desired team for the specified project. Once the Teams are allocated to the project, Construction may begin on the construction site. • Project status is updated once Site-Go-Ahead is received, indicating that teams need to be allocated to the specific project.
Business rules applicable to this requirement	 More than one team can be assigned to a construction project. Only Operations Manager can assign a team to a construction project.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.12
Requirement name (use case name):	Search Allocated Team
Requirement short description:	The system will allow the user to search for allocated teams assigned to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific allocated team that has been captured and stored on the system relating to the specific project. The User will enter the desired search criteria into the system and the corresponding allocated team matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for allocated teams for a construction site.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.13
Requirement name (use case name):	Edit Allocated Team
Requirement short description:	The system will allow the Operations Manager to update teams allocated to the construction site.
Requirement detailed description and constraints:	This use case describes the process the Operations manager and system will go through when the Operations Manager wishes to update a team from the Project due to unforeseen circumstances. • Team must be allocated to an existing and active project. • Operations Manager must be logged into the system.
Business rules applicable to this requirement	 A construction project has to have at least one team assigned. Only the Operations Manager can update allocated teams to the construction site.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.14
Requirement name (use case name):	Delete Allocated Team
Requirement short description:	The system will allow the Operations Manager to delete the teams allocated to the construction site.
Requirement detailed description and constraints:	This use case describes the process the Operations manager and system will go through when the Operations Manager wishes to removes a team from the Project due to unforeseen circumstances. • Team must be allocated to an existing and active project. • Operations Manager must be logged into the system.
Business rules applicable to this requirement	 A construction project has to have at least one team assigned. Only the Operations Manager can update allocated teams to the construction site.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.15
Requirement name (use case name):	Upload Compliance Documents
Requirement short description:	The system will allow the Health and Safety Officer to upload compliance documents for the construction project
Requirement detailed description and constraints:	This use case narrative describes the process the system will go through when the Health and Safety Officer wishes to upload the various Compliance documents unique to the specific construction project. • Client needs to send Health and Safety Officer compliance documents needed for the construction site, throughout the life cycle of the construction process.
Business rules applicable to this requirement	 Only Health and safety Officer may upload compliance documents for the construction site. Each construction site will have unique compliance documents relating specifically to that construction site. The Client (Vodacom) is responsible for creating the compliance documents and submitting them to the Health and Safety Officer. Compliance documents are not always needed for construction projects.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.16
Requirement name (use case name):	Search Compliance Document
Requirement short description:	The system will allow the user to search for compliance documents relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific Compliance Document that has been captured and stored on the system relating to the project associated to the Compliance Document. The User will enter the desired search criteria into the system and the corresponding Compliance Document matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a compliance document linked to a project.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.17
Requirement name (use case name):	Edit Compliance Document
Requirement short description:	The system will allow the user to edit the compliance Document information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the details of an uploaded compliance document to the project.
Business rules applicable to this requirement	Only the Operations Manager can edit the Compliance Document details
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.18
Requirement name (use case name):	Delete Compliance Document
Requirement short description:	The system will allow the user to delete the Compliance Document information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to delete the compliance document to the project.
Business rules applicable to this requirement	Only the Operations Manager can delete the Compliance Document details
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	3.19
Requirement name (use case name):	Create site progress description
Requirement short description:	The system will allow the Operations Manager to create a site progress description.
Requirement detailed description and constraints:	This use case describes the process that the system and operations manager will go through when the construction site progress is to be updated. The site Manager will update the operations manager on the progress of the site via a call and photos. The Operations Manager will then create a site progress description entry in the system to keep track of the progress made on the construction site. • The Site Manager updates the Operations Manager on progress made to the construction site. • Photos on the construction site are sent to the manager
Business rules applicable to this requirement	 Site Manger has to provide the Operations Manager with photos on the progress made to the construction site. Only the Operations Manager can update the site progress description on the system.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	3.20
Requirement name (use case name):	View Site Progress description
Requirement short description:	The system will allow the user to view the progress made to the construction site.
Requirement detailed description and constraints:	This use case describes the process the system will go through when primarily the Operations manager or any interested stake holder would like to view the progression of the construction site relating to a specific project. • The user must be logged into the system.
	A construction site must have Site-Go-Ahead
Business rules applicable to this requirement	Must be at-least one entry at all time in the active site progress description.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	medium



Functional Requirement	Explanation
Requirement number:	3.21
Requirement name (use case name):	Edit Site Progress description
Requirement short description:	The system will allow the user to edit the entry made to the construction site progress description.
Requirement detailed description and constraints:	This use case describes the process the system will go through when the User wishes to edit the site progress description entry.
Business rules applicable to this requirement	Must be at-least one entry at all time in the active site progress description.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	medium



Functional Requirement	Explanation
Requirement number:	3.22
Requirement name (use case name):	Delete Site Progress description
Requirement short description:	The system will allow the user to delete the entry made to the construction site progress description.
Requirement detailed description and constraints:	This use case describes the process the system will go through when the User wishes to delete the site progress description entry.
Business rules applicable to this requirement	Must be at-least one entry at all time in the active site progress description.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	medium



Functional Requirement	Explanation
Requirement number:	3.23
Requirement name (use case name):	Upload Complete Site photos
Requirement short description:	The system will allow the user to upload complete site photos for the construction site once the site has been fully completed.
Requirement detailed description and constraints:	This use case describes the process the system will go through once the construction is fully complete on the construction site. The Operations manager will take photos of the fully completed site and upload it into the system. Once the final photos for the completed site are uploaded to the system the Site progress description will automatically be updated to "complete" and the use case for uploading of the Radio Frequency report (RF report) will be activated for the user to upload said report. • The operations Manager must be logged into the system • The site Manager must let the Operations manager know that site construction has been completed.
Business rules applicable to this requirement	 Operations Manager can either take photos personally or upload phots from an existing gallery. Radio Frequency report can only be uploaded once Construction has been marked fully complete.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.24
Requirement name (use case name):	Search complete site photos
Requirement short description:	The system will allow the user to search for completed site photos.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for the specific completed site photos that has been captured and stored on the system relating to the project associated to the completed site photos. The User will enter the desired search criteria into the system and the corresponding completed site photos matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All Users can search for complete site photos.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.25
Requirement name (use case name):	Edit complete site photos
Requirement short description:	The system will allow the user to edit the completed site photos uploaded.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the complete site photos that have been uploaded to the system for the corresponding project.
Business rules applicable to this requirement	Only the Operations Manager can edit the Complete site photos.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.26
Requirement name (use case name):	Delete complete site photos
Requirement short description:	The system will allow the user to delete the completed site photos uploaded.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to delete the complete site photos that have been uploaded to the system for the corresponding project.
Business rules applicable to this requirement	Only the Operations Manager can delete the Complete site photos.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.27
Requirement name (use case name):	Upload Radio Frequency report
Requirement short description:	The system will allow the Operations Manger to upload an already created Radio Frequency report to the system.
Requirement detailed description and constraints:	This use case describes the process the Operations Manager will go through once the Construction photos are uploaded to the system. The system will capture the already created Radio Frequency report and store the report in the system. Once the report has been captured and the necessary actors are notified. The ninety percent claim can then be request from the client, as well as to request the site inspection from the quality control officer. • Site completion photos must be uploaded to the system. • 100% completion on construction site.
Business rules applicable to this requirement	 Only the Operations Manager can upload the Radio Frequency report. Radio Frequency report has to be uploaded before generating of invoice may begin. Radio Frequency report has to be uploaded before Site inspection from the Quality Control Officer can take place.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	3.28
Requirement name (use case name):	Search Radio Frequency report
Requirement short description:	The system will allow the user to search for a Radio Frequency report that has been uploaded to the system.
Requirement detailed description and constraints:	This use case describes the process the User and system will go through when the user desires to search and view the Radio Frequency report. The Radio Frequency report is searched from the system and then displayed to the user in a pdf format. • Radio Frequency report is uploaded to the Report table. • Financial Officer was notified on upload of Radio Frequency report. • Quality Control Officer was notified on upload of Radio Frequency reports. • User must be logged into the system
Business rules applicable to this requirement	Radio Frequency report has to be used for invoicing to begin
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.29
Requirement name (use case name):	Edit Radio Frequency report
Requirement short description:	The system will allow the user to edit the Radio Frequency report information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the details of an uploaded Radio Frequency report document to the project.
Business rules applicable to this requirement	Only the Operations Manager can edit the Radio Frequency report details
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.30
Requirement name (use case name):	Delete Radio Frequency report
Requirement short description:	The system will allow the user to delete the Radio Frequency report information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to delete the Radio Frequency report to the project.
Business rules applicable to this requirement	Only the Operations Manager can delete the Radio Frequency report details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	3.31
Requirement name (use case name):	Request Site Visit
Requirement short description:	The system will allow the Operations Manager to request a site visit from the Quality Control Officer.
Requirement detailed description and constraints:	This use case describes the process the Operations Manager will go through once the Site Manager notifies the Operations manager that construction has been fully completed, the Complete construction photos have been uploaded and the Radio
	Frequency report has been uploaded. The Operations manager will request the system to notify the Quality Control Officer to come and request the site inspection, to then start the process to start creating final documents for the future use cases.
	 Radio Frequency report has been uploaded Complete Construction Photos have been uploaded. Site Manager notifies Operations Manager that construction is fully complete.
Business rules applicable to this requirement	Only the Operations Manager can request a site visit from the Quality control officer.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	3.33
Requirement name (use case name):	Edit Acceptance Document
Requirement short description:	The system will allow the Quality Control Officer to edit the details in the acceptance document and log snags in the acceptance document
Requirement detailed description and constraints:	This use case describes the process the Quality Control Officer will go through when the Site visit is taking place, the Quality Control Officer will fill out the form in the Acceptance Document to log down the snags notified on the site visit that was requested by the Operations Manager. The quality Control Officer can either select a snag that has a common occurrence through a list of common snags or the Quality Control officer can create a new snag specific to that site problem. All snags listed on the Acceptance document will be specific to the construction site. Once all snags have been listed on the Acceptance document, the Quality Control Officer will notify the Construction teams on site to fix the snags. The Director will then be notified on the acceptance document. • The acceptance document is created on the system The Quality Control Officer is on site performing the
	site inspection.
Business rules applicable to this requirement	 Only the Quality Control Officer can update and create snags on the Acceptance document The Quality Control officer must be on site to log snags onto the acceptance document.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	3.34
Requirement name (use case name):	Search Acceptance Document
Requirement short description:	The system will allow the user to search for an existing Acceptance Document.
Requirement detailed description and constraints:	This use case describes the process the user and system will go through when the user requests to view the Acceptance document to view details on the construction site and possible snags on the construction site that have been identified and logged by the quality Control officer. • The user must be logged into the system • The Acceptance document is created and loaded onto the system in the Acceptance Document table.
Business rules applicable to this requirement	none
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.35
Requirement name (use case name):	Delete Acceptance Document
Requirement short description:	The system will allow the user to delete an existing Acceptance Document.
Requirement detailed description and constraints:	This use case describes the process the system will go through when the Quality Control Officer wishes to delete the Acceptance Document on the system relating to the specific project. Entails deleting all snags that are stored within the acceptance document.
Business rules applicable to this requirement	none
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	3.6
Requirement name (use case name):	Confirm Acceptance Document
Requirement short description:	The system will allow the Quality Control Officer to confirm the acceptance document
Requirement detailed description and constraints:	This use case describes the process the Quality Control Officer and the system will go through when the snags have been completed and the Quality Control officer has confirmed that the snags have been completed. The Quality Control Officer will confirm on the system that the snags have been completed and that the Construction Site is ready for the client visit accompanied by the Quality Control Officer. The system will capture the
	Confirmation of the Acceptance document and notify the Quality
	Control officer to request a site visit by the Client for site sign off.
	 The Acceptance Document must be uploaded to the system. The Quality Control Officer must confirm snags have been completed. The Site Manager informs the Quality Control Officer that snags have been completed.
Business rules applicable to this requirement	 Only the Quality Control Officer can confirm the acceptance document. An inspection must take place to confirm the snags caught on the Acceptance Documents.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional Requirement	Explanation
Requirement number:	3.37
Requirement name (use case name):	Capture Site Sign Off
Requirement short description:	The system will allow the Quality control Officer to capture the site sign off provided by the client. This is done via the Site Acceptance schedule document.
Requirement detailed description and constraints:	This use case describes the process the Quality Control Officer and System will go through once the client site visit has happened (Accompanied by the quality control officer). The Quality Control Officer will upload the Site Acceptance Schedule to the system indicating that the client has signed off on the construction site and the final 10% invoice may be claimed. The Financial Officer will be notified that Site sign off has taken place and can begin the final claim process.
	 The Client site visit has taken place. The client has sent the Quality Control Officer the Site Acceptance Schedule (Site Sign off)
Business rules applicable to this requirement	 Only the Quality Control officer can upload the site acceptance schedule. The financial Officer must be updated on the site signoff The client has to send the Quality Control officer the Site Acceptance schedule.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.38
Requirement name (use case name):	Search Site Sign-off
Requirement short description:	The system allows the user to search for a site acceptance schedule on the system.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific Site Sign-off (acceptance schedule) that has been captured and stored on the system relating to the project associated to the Site Sign-off (acceptance schedule) that. The User will enter the desired search criteria into the system and the corresponding Site Sign-off (acceptance schedule) that matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a site-sign off
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.39
Requirement name (use case name):	Edit Site Sign-off
Requirement short description:	The system will allow the user to edit the Site Sign-off information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the details of an uploaded Site Sign-off document to the project.
Business rules applicable to this requirement	Only the Operations Manager can edit Site Sign-off details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.40
Requirement name (use case name):	Delete Site Sign-off
Requirement short description:	The system will allow the user to delete the Site Sign-off report information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to delete the Site Sign-off to the project.
Business rules applicable to this requirement	Only the Operations Manager can delete the Site Sign-off details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.41
Requirement name (use case name):	Capture Commission report
Requirement short description:	The system allows the user to capture and upload a new commission report that has been received from the client.
Requirement detailed description and constraints:	This use case describes the process the Operations Manager will go through when the Commission document is received from the client. The user will navigate to the desired project for the commission report to be uploaded to. The user will then select to upload the commission report via a card that is displayed on the project page. The use case will then prompt the user to select the desired commission report to be uploaded to the system. The system will then capture the commission report and save the report to the database and then display the report to the user that has just been uploaded.
Business rules applicable to this requirement	Only the Operations Manager can upload the commission report to the system.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	3.42
Requirement name (use case name):	Search Commission report
Requirement short description:	The system will allow the user to search for a commission report.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific Commission report that has been captured and stored on the system relating to the project associated to the Commission report The User will enter the desired search criteria into the system and the corresponding Commission report matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a Commission report linked to a project.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	3.43
Requirement name (use case name):	Edit Commission report
Requirement short description:	The system will allow the user to edit the Commission report information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to edit the details of an uploaded Commission report to the project.
Business rules applicable to this requirement	Only the Operations Manager can edit Commission report details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.44
Requirement name (use case name):	Delete Commission report
Requirement short description:	The system will allow the user to delete the Commission report information relating to the specific project.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wishes to delete the Commission report to the project.
Business rules applicable to this requirement	Only the Operations Manager can delete the Commission report details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.45
Requirement name (use case name):	Create Site Type
Requirement short description:	The system will allow the user to create a new site type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the Operations Manager wants to create a new Site type for the system. The system will prompt the user to enter the new site type details info into the correct fields. The system I'll capture and validate the entered details, the system will then store the new site type into the system.
Business rules applicable to this requirement	Only the Operations Manager can create a new site type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low



Functional	Explanation
Requirement	
Requirement number:	3.46
Requirement name (use case name):	Search Site type
Requirement short description:	The system will allow the user to search for a site type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific site type that has been captured and stored on the system. The User will enter the desired search criteria into the system and the corresponding site type matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a site type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	3.47
Requirement name (use case name):	Edit Site Type
Requirement short description:	The system will allow the user to edit a site type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the Operations Manager wants to edit the details of an existing site type on the system. The system will prompt the user to search for a site type that exists on the system. The system will display the details of the searched site type to the Operations Manager. The Operations Manager will then enter the new details of the site type, the system then captures and validates that the site type details are correct and valid. The edited site type details will be saved to the system and the Operations Manager.
Business rules applicable to this requirement	Only the Operations Manager can edit the site type details.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low



Functional	Explanation
Requirement	
Requirement number:	3.48
Requirement name (use case name):	Delete Site type
Requirement short description:	The system will allow the user to search for a site type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wants to delete a site type that is stored within the system.
Business rules applicable to this requirement	Only the Operations manager can delete a site type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

4.4 Invoicing Subsystem

Functional	Explanation
Requirement	
Requirement number:	4.1
Requirement name (use case name):	Search Invoice
Requirement short description:	The system must allow the Financial Officer to search for an Invoice.
Requirement detailed description and constraints:	The Financial Officer would like to search and view a specific project's invoice(s). The financial officer will request to search for these invoices, by providing the required search parameter prompted by the system. The system will use this search parameter to retrieve the desired record from the invoice table.
Business rules applicable to this requirement	The financial officer needs to be logged into the system. Only the financial officer has the access to search for invoices.
	The invoice has to be present on the system in order to be retrieved.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	4.2
Requirement name (use case name):	Send Invoice
Requirement short description:	The system must allow the Financial Officer to view and download invoices. These invoices will be sent from the Financial Officer to the client.
Requirement detailed description and constraints:	The Financial Officer would like to view and send a specific project's invoice(s) to a client. The financial officer will request to send invoices, by prompting the system to generate either an Initial Claim (IC) Invoice (90%) or a Final Claim (FC) Invoice (10%). The IC Invoice caters for 90% of the total amount from the client's Purchase Order. This invoice can be generated after the Radio Frequency (RF) Report is received.
	The FC Invoice caters for the remaining 10% of the total amount. This invoice is only generated after the client has provided their site inspection confirmation
Business rules	The financial officer needs to be logged into the system.
applicable to this requirement	Only the financial officer has the access to generate invoices.
	The IC invoice can only be generated if the project's RF report is present.
	The FC Invoice can only be generated if both RF report and Client Site Sign-Off needs to be present.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	4.3
Requirement name (use case name):	Capture Proof of Payment
Requirement short description:	The system must allow the Financial Officer to capture Proof of Payment (POP) for an Invoice.
Requirement detailed description and constraints: Business rules	The Financial Officer would like to capture POP of an invoice that was approved, sent to the client and processed on the client's 3 rd party payment portal (Taulia Portal). The financial officer will visit the Taulia Portal to check if submitted claims are paid for. The financial officer will capture the claim's status from the Taulia Portal with a screenshot. The financial officer will upload this screenshot as POP, to the Gohavn Construction system, for the associated invoice. The financial officer needs to be logged into the system.
applicable to this requirement	Only the financial officer has the access to capture POP for invoices.
	The invoice has to be present on the system.
	The Receipt number must be associated with the invoice. (Use case 5.4 Capture Claim)
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	4.4
Requirement name (use case name):	Capture Claim
Requirement short description:	The system must allow the Financial Officer to capture a claim for an invoice.
Requirement detailed description and constraints:	The Financial Officer would like to capture the receipt number for an invoice. This receipt number is received from the client after they have approved the invoice. They capture this invoice on their 3 rd party payment portal (Taulia Portal). Using this receipt number from the client, the financial officer can process and capture a claim on the Taulia Portal. The financial officer will capture the receipt number on the system.
Business rules applicable to this requirement	The financial officer needs to be logged into the system. Only the financial officer has the access to capture claims for invoices.
	The invoice has to be present on the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High



Functional	Explanation
Requirement	
Requirement number:	4.5
Requirement name (use case name):	Search Proof of Payment
Requirement short description:	The system must allow the Financial Officer to search for an Invoice's Proof of Payment.
Requirement detailed description and constraints:	The Financial Officer wants to view a Proof of Payment associated to an Invoice. The system will display the Proof of Payment and the details associated with the Proof of Payment. These proofs of payments are already stored in the system. If the proof of payment is not stored the system will notify the financial officer.
Business rules applicable to this requirement	The Financial Officer needs to be logged onto the system. Proof of Payment is already stored in the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium



Functional	Explanation
Requirement	
Requirement number:	4.6
Requirement name (use case name):	Search Invoice Type
Requirement short description:	The system must allow the Financial Officer to search for an Invoice Type on the system.
Requirement detailed description and constraints:	This use case describes the event wherein the Financial Officer wants to search for an Invoice Type on the system. This use case starts when the Financial Officer wants to find a certain Invoice Type. This use case will conclude the Financial Officer has a successful search result.
Business rules applicable to this requirement	The Financial Officer needs to be logged onto the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low



Functional	Explanation
Requirement	
Requirement number:	4.7
Requirement name (use case name):	Create Invoice Type
Requirement short description:	The system must allow the Financial Officer to create a new Invoice Type on the system.
Requirement detailed description and constraints:	This use case describes the event wherein the Financial Officer adds an Invoice Type onto the system. This use case starts when the financial officer wants to add an employee type, then navigates to the button where after clicked, the Add Invoice Type modal will appear. The Human Resource Officer will then enter the appropriate details. The system will save the details once validation has been done successfully. The use case will conclude when the Invoice Type is successfully saved on the system.
Business rules applicable to this requirement	The Financial Officer needs to be logged onto the system. Cannot create duplicate Invoice Types.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low



Functional	Explanation
Requirement	
Requirement number:	4.8
Requirement name (use case name):	Edit Invoice Type
Requirement short description:	The system must allow the Financial Officer to edit an existing Invoice Type on the system.
Requirement detailed description and constraints:	This use case describes the event wherein the Financial Officer edits an Invoice Type that already exists on the system. This use case starts when the financial officer wants to edit an invoice type, then navigates to the button where after clicked, the Add Invoice Type modal will appear. The Financial Officer will then enter the appropriate updated details. The system will save the details once validation has been done successfully. The use case will conclude when the Invoice Type is successfully edited and saved on the system.
Business rules applicable to this requirement	The Financial Officer needs to be logged onto the system. At least one record of an Invoice Type must exist on the system. Cannot edit an Invoice Type if there are none.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low



Functional	Explanation
Requirement	
Requirement number:	4.9
Requirement name (use case name):	Delete Invoice Type
Requirement short description:	The system must allow the Financial Officer to delete an existing Invoice Type on the system.
Requirement detailed description and constraints:	This use case describes the event wherein the Financial Officer deletes an Invoice Type that already exists on the system. This use case starts when the financial officer wants to delete an invoice type, then navigates to the button where after clicked, the Delete Invoice Type modal will appear. The Financial Officer will confirm the deletion. The system will save the details once validation has been done successfully. The use case will conclude when the Invoice Type is successfully removed from the system.
Business rules applicable to this requirement	The Financial Officer needs to be logged onto the system. At least one record of an Invoice Type must exist on the system. Cannot edit an Invoice Type if there are none.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low



4.5 Human Resource Subsystem

Functional Requirement	Explanation
Requirement number:	5.1
Requirement name (use case name):	Add Employee
Requirement short description:	The system must allow the user to add a new employee.
Requirement detailed description and constraints:	The use describes the event where the officer fills out a form that requires all employee details, including name, surname, cell number, ID/Passport number, tax number, home address/postal address and email address information that has already been given by the employee. The officer then uses that information to add the employee to the system, and the use case concludes.
Business rules applicable to this requirement	Only the Human resource officer can add new employees to the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	5.2
Requirement name (use case name):	Edit Employee
Requirement short description:	The system must allow the user to update an existing employee record.
Requirement detailed description and constraints:	The use describes the event where the officer fills out a form that requires all employee details, including name, surname, cell number, ID/Passport number, tax number, home address/postal address and email address information that has already been given by the employee. The officer then uses that information to add the employee to the system, and the use case concludes.
Business rules applicable to this requirement	Only the Human resource officer can update the employees on the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	5.3
Requirement name (use case name):	Search Employee
Requirement short description:	The system must allow the user to search through the list of existing employees.
Requirement detailed description and constraints:	This use case describes the event of the Human Resource Officer searching for an employee. The officer can search for an employee by entering search criteria and selecting the employee that the officer wanted to search for. This use case concludes when the system displays all the employee's details.
Business rules applicable to this requirement	None.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	5.4
Requirement name (use case name):	Delete Employee
Requirement short description:	The system must allow the user to delete an existing employee record from the system.
Requirement detailed description and constraints:	This use case describes the event of the Human Resource Officer would like to delete an employee from the system. The officer can search for an employee by entering search criteria and selecting the employee that the officer wanted to remove. This use case concludes when the system has removed the selected employee record.
Business rules applicable to this requirement	The employee record needs to be on the system before it can be removed.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low priority



Functional Requirement	Explanation
Requirement number:	5.5
Requirement name (use case name):	Upload Employee Document
Requirement short description:	The system must allow the user to upload employee documents to the system.
Requirement detailed description and constraints:	This use case describes the event where the user uploads an employee document that the system captures in the Employee_Compliance_Document table. An expiry date is given by the user to ensure that the next update is timely. This use case ends when the system informs the user that the document was uploaded successfully.
Business rules applicable to this requirement	Only the Human resource officer can update the employees on the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium



Functional Requirement	Explanation
Requirement number:	5.6
Requirement name (use case name):	Edit employee document
Requirement short description:	The system must allow the user to update employee documents.
Requirement detailed description and constraints:	Certain employee certificates expire and need to be tracked and updated accordingly. The user must be able to search for specific documents/certificates and replace expired certificates with new certificates
Business rules applicable to this requirement	Only the Human resource officer can update the employees on the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	5.7
Requirement name (use case name):	Search Employee Document
Requirement short description:	The system must allow the user to search through the list of existing employee's documents.
Requirement detailed description and constraints:	The Human resource manager wants to search for an employee's existing documents. The user can search for an employee document by finding the employee using certain search criteria. The documents related to search must be displayed and the system must allow the user to access the documents.
Business rules applicable to this requirement	None
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low



Functional Requirement	Explanation
Requirement number:	5.8
Requirement name (use case name):	Delete Employee Document
Requirement short description:	The system must allow the user to delete an existing employee's documents from the system.
Requirement detailed description and constraints:	The Human resource manager wants to delete an employee's existing documents. The user can search for an employee document by finding the employee using certain search criteria. The documents related to search will be removed from the system and conclude the use case.
Business rules applicable to this requirement	The employee document needs to be on the system before the document can be removed from the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.9
Requirement name (use case name):	Create Account
Requirement short description:	The process of creating a new account for a user.
Requirement detailed description and constraints:	The user goes through a process of creating an account by which they need to create a unique username and password for their account.
Business rules applicable to this requirement	The username and password needs' to be business appropriate.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.10
Requirement name (use case name):	Update Account
Requirement short description:	User updates any account details that have changed or are incorrect.
Requirement detailed description and constraints:	The user can update information regarding their account details on the system for example email, name or surname, phone number etc.
Business rules applicable to this requirement	Updating only information that has changed or is incorrect does not alter correct information.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.11
Requirement name (use case name):	Search Account
Requirement short description:	The process of a user searching for a specific account.
Requirement detailed description and constraints:	The process of a user searching for a Human resources and management staff searching for a specific user's account.
Business rules applicable to this requirement	Only authorised users are allowed to search for accounts.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.12
Requirement name (use case name):	Delete Account
Requirement short description:	The process of a user will follow delete a specific account on the system.
Requirement detailed description and constraints:	The process where the Human resource officer wishes to remove an existing account from the system. The use concludes once the selected account has been removed from the system.
Business rules applicable to this requirement	Only the Human Resource officer is allowed to delete accounts.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.13
Requirement name (use case name):	Create Employee Type
Requirement short description:	The process of a user creating a new employee type
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer adds an Employee Type onto the system. This use case starts when the officer wants to add an employee type, then navigates to the button where after clicked, the Add Employee Type modal will appear. The Human Resource Officer will then enter the appropriate details. The system will save the details once validation has been done successfully. The use case will conclude when the Employee Type is successfully saved on the system.
Business rules applicable to this requirement	Only the human resource officer is allowed to create employee types.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.14
Requirement name (use case name):	Search Employee Type
Requirement short description:	The process of a user searching for a specific employee type.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to search for an Employee Type on the system. This use case starts when the Human Resource Officer wants to find a certain Employee Type. This use case will conclude the Human Resource Officer has a successful search result.
Business rules applicable to this requirement	Only authorised users are allowed to search for employee types.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.15
Requirement name (use case name):	Edit Employee Type
Requirement short description:	The process of a user editing a specific employee type.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to edit an Employee Type on the system. This use case starts when the Human Resource Officer wants to edit a certain Employee Type. This use case will conclude once the system has sabed the edited employee type details.
Business rules applicable to this requirement	Only the human resource officer is allowed to edit employee types.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional	Explanation
Requirement	
Requirement number:	5.16
Requirement name (use case name):	Delete Employee Type
Requirement short description:	The process of a user deleting a specific employee type.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to delete an Employee Type on the system. This use case starts when the Human Resource Officer wants to remove a certain Employee Type. This use case will conclude once the selected record is removed from the system.
Business rules applicable to this requirement	Only the human resource officer is allowed to delete employee types.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.17
Requirement name (use case name):	Create Employee Skill
Requirement short description:	The process of a user creating a new employee skill
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer adds an Employee Skill onto the system. This use case starts when the officer wants to add an employee skill, then navigates to the button where after clicked, the Add Employee Skill modal will appear. The Human Resource Officer will then enter the appropriate details. The system will save the details once validation has been done successfully. The use case will conclude when the Employee Skill is successfully saved on the system.
Business rules applicable to this requirement	Only authorised users are allowed to create employee skills.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.18
Requirement name (use case name):	Search Employee Skill
Requirement short description:	The process of a user searching for a specific employee skill.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to search for an Employee Skill on the system. This use case starts when the Human Resource Officer wants to find a certain Employee Skill. This use case will conclude when the Human Resource Officer has a successful search result.
Business rules applicable to this requirement	Only authorised users are allowed to search for employee skills.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional	Explanation
Requirement number:	5.19
Requirement name (use case name):	Edit Employee Skill
Requirement short description:	The process of a user editing a specific employee skill.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to edit an Employee Skill on the system. This use case starts when the Human Resource Officer wants to edit a certain Employee Skill. This use case will conclude when the Human Resource Officer has a successfully edited the desired record.
Business rules applicable to this requirement	Only authorised users are allowed to edit employee skills.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	5.20
Requirement name (use case name):	Delete Employee Skill
Requirement short description:	The process of a user deleting a specific employee skill from the system.
Requirement detailed description and constraints:	This use case describes the event wherein the Human Resource Officer wants to delete an Employee Skill on the system. This use case starts when the Human Resource Officer wants to remove a certain Employee Skill. This use case will conclude when the system has removed the selected employee skill record from the system.
Business rules applicable to this requirement	Only Human Resource Officer is allowed to delete employee skills.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

4.6 Team Subsystem

Functional	Explanation
Requirement	
Requirement number:	6.1
Requirement name (use case name):	Create Team
Requirement short description:	This use case will allow the user to create a new construction team.
Requirement detailed description and constraints:	This use case narrative describes the process the human resource manager will follow when they want to create a new construction team. The system will capture and validate the team information if the information was validated successfully the system will store it in the TEAM table. A construction teams consists of employees that are stored in the EMPLOYEE table. The Human resource manager must be logged into the system.
Business rules applicable to this requirement	Only the human resource manager is allowed to create a new team.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	6.2
Requirement name (use case name):	Search Team
Requirement short description:	This use case will allow the user to search for a team.
Requirement detailed description and constraints:	This use case narrative describes the process the user will follow when they want to search for a team or when the system invokes this use case. • The User (PBA): [the management director, director, operations manager, human resource officer and the health and safety officer] • The User must be logged into the system.
Business rules applicable to this requirement	Only the users mentioned above are allowed to search the teams.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	6.3
Requirement name (use case name):	Update Team
Requirement short description:	This use case will allow the user to update an existing team.
Requirement detailed description and constraints:	This use case narrative describes the process the human resource manager will follow when they want to update an existing team. The system will capture and validate the team information if the information was validated successfully the system will update the team in the TEAM table. The user must be logged into the system. The team that the user wishes to update must exist in the database
Business rules applicable to this requirement	Only the human resource manager is allowed to update an existing team.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	6.4
Requirement name (use case name):	Delete Team
Requirement short description:	This use case will allow the user to delete an existing team.
Requirement detailed description and constraints:	This use case narrative describes the process the human resource manager will follow when they want to delete an existing team. The use concludes once the team record has been deleted.
Business rules applicable to this requirement	Only the human resource manager is allowed to delete an existing team.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

4.7 Inventory Management Subsystem

Functional	Explanation
Requirement	
Requirement number:	7.1
Requirement name (use	Add line-item
case name):	
,	
Requirement short	This use case will allow the user to add a new line-item.
description:	
Requirement detailed	This use case narrative describes the process the Procurement
description and	and Logistics Officer will follow when they want to add a new
constraints:	line-item. The system will capture and validate the line-item
	information if the information was validated successfully the
	system will store it in the LINE-ITEM table.
	 Procurement and Logistics Officer must be logged into the system.
Business rules	Only the Procurement and Logistics Officer must be able to add new
applicable to this	line-items.
requirement	
Revision date and	28-06-2021 Version 3.0
Revision number:	
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	7.2
Requirement name (use case name):	Search Line-item
Requirement short description:	This use case will allow the user to search for a line-item.
Requirement detailed description and constraints:	This use case describes the process the Procurement and Logistics Officer will follow when they want to search for a Line-item. • The User must be logged into the system.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to search a line-item.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	7.3
Requirement name (use case name):	Update Line-item
Requirement short description:	This use case will allow the user to update an existing line-item.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to update an existing line-item. The system will capture and validate the line-item information, if the information was validated successfully the system will update the line-item in the LINE-ITEM table. • The user must be logged into the system. • The line-item that the user wishes to update must exist in the database
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to update an existing line-item.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	7.4
Requirement name (use case name):	Delete Line-Item
Requirement short description:	This use case will allow the user to delete an existing line-item.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wants to delete a line-item that is stored within the system.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to delete an existing line-item.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Medium

Functional Requirement	Explanation
Requirement number:	7.5
Requirement name (use case name):	Create Line-Item Type
Requirement short description:	This use case will allow the user to create a new line-item type.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to update an existing line-item. The system will capture and validate the line-item type information, if the information was validated successfully the system will update the line-item in the LINE-ITEM-TYPE table. • The user must be logged into the system.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to create a new line-item type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.6
Requirement name (use case name):	Search Line-Item Type
Requirement short description:	This use case will allow the user to search an existing line-item type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific line-item type that has been captured and stored on the system. The User will enter the desired search criteria into the system and the corresponding line-item type matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a line-item type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.7
Requirement name (use case name):	Edit Line-Item Type
Requirement short description:	This use case will allow the user to update an existing line-item type.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to update an existing line-item. The system will capture and validate the line-item type information, if the information was validated successfully the system will update the line-item in the LINE-ITEM_TYPE table. • The user must be logged into the system. • The line-item type that the user wishes to update must exist in the database
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to edit an existing line-item type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.8
Requirement name (use case name):	Delete Line-Item Type
Requirement short description:	This use case will allow the user to delete an existing line-item.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to delete an existing line-item. The use case concludes once the line-item type record has been removed.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to delete an existing line-item type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.9
Requirement name (use case name):	Create Package Type
Requirement short description:	This use case will allow the user to create a new package type.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to create a new package type. The system will capture and validate the package type information, if the information was validated successfully the system will update the line-item in the Package Type table. • The user must be logged into the system.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to create a package type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.10
Requirement name (use case name):	Search Package Type
Requirement short description:	This use case will allow the user to search an existing package type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when searching for a specific package type that has been captured and stored on the system. The User will enter the desired search criteria into the system and the corresponding package type matching the search criteria will be displayed to the user.
Business rules applicable to this requirement	All users can search for a package type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.11
Requirement name (use case name):	Edit Package Type
Requirement short description:	This use case will allow the user to update an existing package type.
Requirement detailed description and constraints:	This use case narrative describes the process the Procurement and Logistics Officer will follow when they want to update an existing package type. The system will capture and validate the package type information, if the information was validated successfully the system will update the package type in the Package Type table. • The user must be logged into the system. • The package type that the user wishes to update must exist in the database
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to update an existing package type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

Functional Requirement	Explanation
Requirement number:	7.12
Requirement name (use case name):	Delete Package Type
Requirement short description:	This use case will allow the user to update an existing package type.
Requirement detailed description and constraints:	This use case entails the process the system will go through when the user wants to delete a Package type that is stored within the system.
Business rules applicable to this requirement	Only the Procurement and Logistics Officer is allowed to delete an existing package type.
Revision date and Revision number:	28-06-2021 Version 3.0
Criticality/Priority:	Low

4.8 Reporting Subsystem

Functional Requirement	Explanation
Requirement number:	8.1
Requirement name (use case name):	Generate project progress report
Requirement short description:	The system generates a report with the sites and their associated progress statuses.
Requirement detailed description and constraints:	The system receives a request to generate a project progress report. The system will retrieve the necessary Site details and their associated progress statuses. from the database. Using this information, the system exports a document to the user. The document summarises the site requirements.
Business rules applicable to this requirement	Only the management team will have access to generating reports. The management ema member needs to be logged into the system.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	8.2
Requirement name (use case name):	Generate site type report
Requirement short description:	The system generates a report that shows the number sites filtered into the different types of sites.
Requirement detailed description and constraints:	The system will generate a report that indicates the number of sites in each site type. This report shows an overall view of the types of sites complete or on-going. The report helps show which sites the company should prioritise.
Business rules applicable to this	The user needs to be logged onto the system.
requirement	The user includes: Operations Manager, Director and Managing Director.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional	Explanation
Requirement	
Requirement number:	8.3
Requirement name (use case name):	Generate team sites completed report
Requirement short description:	The system generates a report that shows the sites completed by each team.
Requirement detailed description and constraints:	The system will generate a report for the user that shows the construction teams and the number of construction sites completed. The report helps the management team make decisions on employee promotions and / or pay raises.
Business rules applicable to this requirement	Only the managing director, director have access to generate this report.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	8.4
Requirement name (use case name):	Generate employee document expiry report
Requirement short description:	The system generates a report that shows the employees' documents and their associated expiry dates.
Requirement detailed description and constraints:	The system will generate a report for the Human Resources Officer in a timely manner. This report contains a list of employees with their certifications and training qualifications and their respective expiry dates. This helps the Human Resources Officer stay up to date with the required certifications and qualifications for the company's employees.
Business rules applicable to this requirement	Only the Human Resources Officer will have access to generating reports
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Low

Functional	Explanation
Requirement	
Requirement number:	8.5
Requirement name (use case name):	Generate Site Acceptance Document
Requirement short description:	The system generates a site acceptance document.
Requirement detailed description and constraints:	The system will generate a site acceptance document. The system will read the site's details from the system and prepopulates the site acceptance document with the site details. The system generates a "snag list" layout, which will be used by other business functions.
Business rules applicable to this requirement	Only the Quality Control Officer will have access to generating reports
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High

4.9 User Management Subsystem

Functional Requirement	Explanation
Requirement number:	9.1
Requirement name (use case name):	Login
Requirement short description:	User wants to login into system.
Requirement detailed description and constraints:	This use case describes the process whereby a user of the system would like to log into the system. The use case begins when the person enters their login details. If the users' login details are correct and match the details in the database, the use case will conclude by allowing the user to login to the system.
Business rules applicable to this requirement	The user must be registered through the Human Resources manager
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	9.2
Requirement name (use case name):	Logout
Requirement short description:	User wants to logout of system.
Requirement detailed description and constraints:	This use case describes the process whereby the user that is currently logged into the system wants to log out of the system. The use case begins when the user clicks the logout button. The system will then ask the user to confirm that they want to logout of the system. The use case concludes when the user is logged out of the system.
Business rules applicable to this requirement	Users need to logout of the system as soon as they are done working on the system.
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	9.3
Requirement name (use case name):	Reset Password
Requirement short description:	The user wants to reset their password.
Requirement detailed description and constraints:	This use case describes the process a user goes through to start changing their password. The use case begins with the user forgetting their password. The use case concludes when the system begins the process of resetting the password.
Business rules applicable to this requirement	The user needs to register on the system.
Revision date and Revision number:	17-08-2021 Version 2.0
Criticality/Priority:	High

4.10 Client Subsystem

Functional	Explanation
i diletional	Ελριαπατίστ
Requirement	
Requirement number:	10.1
Requirement name (use case name):	Add Client
Requirement short description:	This use case narrative describes the process the operations manager will follow when they want to add a new Client to the system.
Requirement detailed description and constraints:	This use case narrative describes the process the Operations manager will follow when they want to add a new Client. The system will capture and validate the client information if the information was validated successfully the system will store it in the CLIENT table. The operations manager must be logged into the system.
Business rules applicable to this requirement	Only the Operations manager must be able to add new Client.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	High

Functional	Explanation
Requirement	
Requirement number:	10.2
Requirement name (use case name):	Search Client
Requirement short description:	This use case will allow the user to search for a client.
Requirement detailed description and constraints:	This use case narrative describes the process the user will follow when they want to search for Client or when the system invokes this use case. • The User (PBA): management director, director, operations manager, and the financial officer. The User must be logged into the system.
Business rules applicable to this requirement	Only the users mentioned above are allowed to search the Client.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	10.3
Requirement name (use case name):	Update Client
Requirement short description:	This use case will allow the user to update an existing Client.
Requirement detailed description and constraints:	This use case narrative describes the process the Operations manager will follow when they want to update an existing Client. The system will capture and validate the client information if the information was validated successfully the system will update the client in the CLIENT table. • The user must be logged into the system. • The Client that the user wishes to update must exist in the database
Business rules applicable to this requirement	Only the Operations manager is allowed to update an existing Client's information.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

Functional	Explanation
Requirement	
Requirement number:	10.4
Requirement name (use case name):	Delete Client
Requirement short description:	This use case will allow the user to delete an existing Client.
Requirement detailed description and constraints:	This use case narrative describes the process the Operations manager will follow when they want to delete an existing Client. The use case concludes once the client record has been removed.
Business rules applicable to this requirement	Only the Operations manager is allowed to delete an existing Client's information.
Revision date and Revision number:	17-08-2021 Version 3.1
Criticality/Priority:	Medium

5 Conclusion

This concludes the list of changes made to the function requirements for the next and upcoming deliverable. This document must give a clear representation of the list of changes made and as to why the changes were made to the functional requirements.

6 Sign off by team



By signing this document, the Team Paralinear Solutions acknowledges the document as a whole and signs off that all changes made are known by each member to the fullest understanding.

7 Sign off by Client



By signing this document, the client verifies all the changes made to the functional requirements from the previous deliverable and the changes are known and have been discussed for the next upcoming deliverable.

8 Sign off by Course-Coordinator

X	
Course-Coordinator	

By signing this document, I state that I have read the changes to the functional requirements made from the previous deliverable to the current. And have read through the functional requirements description for the understanding of each functional requirement.