

UPDATED FUNCTIONAL REQUIREMENTS LIST

Updated Functional Requirements List of the IMOS System being developed for Ngobeni & TDS Contractors

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Delete user role

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10. Project Subsystem	
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DETAILED FUNCTIONAL REQUIREMENTS LIST

1. Employee Subsystem

Functional Requirement	Explanation
Requirement number:	1.1
Requirement name (use case name):	Add Employee.
Requirement short description:	The system must allow the admin to add an employee in the system
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will select to add an employee, the system will respond by request the admin to enter the employee details, which include, name, surname, address, contact, employment date on the add employee form. Once the details have been added the system will request confirmation. After confirmation the employee will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none">The details must be in the correct format. e.g., Name & surname (Alphabets), address (Alphanumeric), contact(numeric).
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin/foreman can add employees to the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	1.2
Requirement name (use case name):	Update Employee.
Requirement short description:	The system must allow the admin to update an employee in the system
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will select to update an employee. This will be done by searching or selecting the employee. The system will respond by request the admin to update the employee details, which include, name, surname, address, contact, employment date on the update employee form. Once the details have been updated the system will request confirmation. After confirmation the employee will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> The details must be in the correct format. e.g., Name & surname (Alphabets), address (Alphanumeric), contact(numeric). An employee must exist
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman can update employees to the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	1.3
Requirement name (use case name):	Search Employee.
Requirement short description:	The system must allow the admin to search for an employee in the system
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will select to search for an employee The system will respond by request the admin to enter the name/ surname of the employee. Once captured the system will retrieve the results in the system and display in table format. <p>Constraints:</p> <ul style="list-style-type: none"> Only name and surname maybe be used to search for an employee
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman can search employees to the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	1.4
Requirement name (use case name):	Upload Employee contract.
Requirement short description:	The system must allow the admin to search an employee in the system
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will select to update an employee. This will be done by searching or selecting the employee. The system will respond by request the admin to update the employee details, which include, name, surname, address, contact, employment date on the update employee form. Once the details have been updated the system will request confirmation. After confirmation the employee will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> The details must be in the correct format. e.g., Name & surname (Alphabets), address (Alphanumeric), contact(numeric). An employee must exit
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman can update employees to the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	1.5
Requirement name (use case name):	Delete Employee.
Requirement short description:	The system must allow the admin to delete an employee in the system
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will select to delete an employee. The system will respond will displaying employees in a tables format. The admin will either search/ select the employee. Once the employee is selected to be deleted the system will request confirmation. Once confirmed the employee will be deleted in the system <p>Constraints:</p> <ul style="list-style-type: none"> An employee must exit
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman can update employees to the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

2. User Subsystem

Functional Requirement	Explanation
Requirement number:	2.1
Requirement name (use case name):	Login.
Requirement short description:	The user must be able to login the system
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">The system will request login details from the user, this includes username and password. The system will verify the details and grant access to permitted users. Constraints:
Business rules applicable to this requirement	<ul style="list-style-type: none">The user must be register in the systemOnly register user can login the system
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

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Functional Requirement	Explanation
Requirement number:	2.2
Requirement name (use case name):	Register new account
Requirement short description:	The admin must be able to register new user in the system
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none"> The admin will select to add a new user/account. The system will respond by request the details of the user. These details include name and surname.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin can register a new account/user
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.3
Requirement name (use case name):	logout
Requirement short description:	The user must be able to logout of the system
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none"> The admin will select to logout. The system responds by taking the user to the login screen. Constraints: <ul style="list-style-type: none"> Must be logged in
Business rules applicable to this requirement	<ul style="list-style-type: none"> Must have an account.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.4
Requirement name (use case name):	Update user account
Requirement short description:	The admin must be able to update the user details
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the user in the system using search facility. All user details, including name, surname, contacts, and address will be displayed in a table format. The admin will select the user he/she want to update. Updated user details will be captured on the update user form. The system will then request confirmation from the admin. Once confirmed, the user's details will be updated on the system. <p>Constraints:</p> <ul style="list-style-type: none"> User must exist in the system. User's ID number must be the same as other user's ID numbers in the system. <p>Edited user details must be in the correct format. name and surname(alphabets), contacts(numeric), address(alphanumeric) and ID (numeric).</p> <ul style="list-style-type: none"> Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update users.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.5
Requirement name (use case name):	Change password
Requirement short description:	The user must be able to change the password
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The user will select to change the password. The system will respond by requesting the user for the current login details. The system confirms the details and moves the user to the next modal that will display a text box to change the password. Once the password has been entered the system will save the details.
Business rules applicable to this requirement	<ul style="list-style-type: none">• User must be logged in.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.6
Requirement name (use case name):	Forgot password
Requirement short description:	The user must be able to reset the password.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The user will select forgot password. The system will request the username of the user. The system will verify that the username is in the system. The system will redirect the use to a reset password page. The user will enter the new password and system will save it once confirmed by the user.
Business rules applicable to this requirement	<ul style="list-style-type: none">Must be a valid user
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.7
Requirement name (use case name):	Search user
Requirement short description:	The admin must be able to search for users
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for users using the user's name/surname. All user details, including name, surname, contacts, address and ID number will be displayed from the system in table format <p>Constraints:</p> <ul style="list-style-type: none">• User's name must be in alphabets.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin can search for users
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	2.8
Requirement name (use case name):	Delete user
Requirement short description:	The system must allow the admin to delete users.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for the user using the user's name. All user details, including name, surname, contacts, and address will be displayed from system in a table format. The admin will select a user he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the user will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none">• User must exist in the system.• User must be selected in order to be deleted.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	Only the admin and manager are permitted to delete users.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

3. Material subsystem

Functional Requirement	Explanation
Requirement number:	3.1
Requirement name (use case name):	Add material
Requirement short description:	The system must allow the admin to add material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will request to add material to the system. All material details, including name, quantity will be captured using the add material form. The system will request confirmation from the admin. Once confirmed, the new material will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none">material with same name must not exist in the system.material details must be in the correct format. Name(alphabet), quantity(numeric).Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin and manager are permitted to add material.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.2
Requirement name (use case name):	Update material details
Requirement short description:	The system must allow the admin to update material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material using the name of the material. All material details, including name and quantity must be displayed in a table format. The admin will select the material he/she wants to update. The admin will add the updated material details to the update material form. The system will request confirmation. Once confirmed, the updated material will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> material must exist in the system Updated details must not be the same as other material in the system. The updated details must be in the correct format. Name(alphabet), quantity(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update new material.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.3
Requirement name (use case name):	Search material
Requirement short description:	The system must allow the admin to search for material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for material using the name of the inventory.• All material details, including name and quantity must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none">• material details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for material.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.4
Requirement name (use case name):	Delete material
Requirement short description:	The system must allow the admin to delete material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material using the name of the material. All material details, including name and quantity will be displayed in a table format. The admin will select the material he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the material will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> material must exist in the system, material must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete material.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.5
Requirement name (use case name):	Write-off material
Requirement short description:	The system must allow the admin to write off material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material using the name of the material. All material details, including name and quantity must be displayed in a table format. The admin will select the material he/she wants to write off. The system will request confirmation. Once confirmed, the material will be written off in the system. <p>Constraints:</p> <ul style="list-style-type: none"> material with same name must not exist in the system. material details must be in the correct format. Name(alphabet), quantity(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to write off material.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.6
Requirement name (use case name):	Add material type
Requirement short description:	The system must allow the admin to add new material type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add new material type to the system. All material details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> material with same name must not exist in the system. material details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new material type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.7
Requirement name (use case name):	Update material type
Requirement short description:	The system must allow the admin to update material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material type using the name of the material. All material details, including name must be displayed in a table format. The admin will select the material type he/she wants to update. The admin will add the updated material type details to the update material type form. The system will request confirmation. Once confirmed, the updated material type will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> Material type must exist in the system Updated details must not be the same as other material in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update material type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.8
Requirement name (use case name):	Search material type
Requirement short description:	The system must allow the admin to search for material type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material type using the name of the inventory. All material details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> material type details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for material type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	3.9
Requirement name (use case name):	Delete material type
Requirement short description:	The system must allow the admin to delete material type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material type using the name of the material. All material details, including name will be displayed in a table format. The admin will select the material type he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the material type will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> material type must exist in the system, material type must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete material type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

4. Equipment subsystem.

Functional Requirement	Explanation
Requirement number:	4.1
Requirement name (use case name):	Add equipment
Requirement short description:	The system must allow the admin to add equipment.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add equipment to the system. All equipment details, including name and quantity will be captured using the add equipment form. The system will request confirmation from the admin. Once confirmed, the equipment will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment with same name must not exist in the system. equipment details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add equipment.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.2
Requirement name (use case name):	Update equipment
Requirement short description:	The system must allow the admin to update equipment.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment using the name of the equipment. All equipment details, including name and quantity must be displayed in a table format. The admin will select the equipment he/she wants to update. The admin will add the updated equipment details to the update equipment form. The system will request confirmation. Once confirmed, the updated equipment will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment must exist in the system Updated details must not be the same as other equipment in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update equipment.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.3
Requirement name (use case name):	Search equipment
Requirement short description:	The system must allow the admin to search for equipment.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment using the name of the equipment. All equipment details, including name and quantity must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for equipment.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.4
Requirement name (use case name):	Delete equipment
Requirement short description:	The system must allow the admin to delete equipment.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for material type using the name of the equipment. All equipment details, including name will be displayed in a table format. The admin will select the equipment he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the equipment will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment must exist in the system, equipment must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete equipment.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.5
Requirement name (use case name):	Complete equipment checks.
Requirement short description:	The system must allow the quantity surveyor (QS) to complete an equipment check.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The quantity surveyor will request to complete an equipment check. The system will display all the equipment details, including name and quantity assigned to the project. The quantity surveyor will tick on the equipment check form whether the equipment is still present or not on the site. On completion the foreman will save the equipment check. <p>Constraints:</p> <ul style="list-style-type: none"> equipment details must be in the correct format. Name(alphabet). quantity surveyor must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the quantity surveyor is permitted to complete an equipment check.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.6
Requirement name (use case name):	Update equipment check
Requirement short description:	The system must allow the quantity surveyor (QS) to update equipment check.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment check using the date/ project name. The quantity surveyor will select to update the equipment check. The system will display all the equipment details, including name and quantity assigned to the project. The quantity surveyor will tick on the update equipment check form whether the equipment is still present or not on the site. On completion the quantity surveyor will save the equipment check. <p>Constraints:</p> <ul style="list-style-type: none"> Equipment check must exist in the system quantity surveyor must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the quantity surveyor is permitted to update equipment check. Use case cannot be complete after 19h00
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.7
Requirement name (use case name):	Search equipment check
Requirement short description:	The system must allow the quantity surveyor to search for equipment check.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment check using the date/ project name. The system will display all the equipment details, including name and quantity of equipment. The quantity surveyor will tick on the equipment check form whether the equipment is still present or not on the site. On completion the quantity surveyor will save the equipment check. <p>Constraints:</p> <ul style="list-style-type: none"> equipment details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the quantity surveyor is permitted to search for equipment check.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.8
Requirement name (use case name):	Delete equipment check
Requirement short description:	The system must allow the quantity surveyor to delete material type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment check using the date/ project name. The quantity surveyor will select to delete the equipment check. A list of equipment check will be displayed in table format. The admin will select the equipment check he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the equipment check will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment check must exist in the system, equipment check must be selected/ticked in order to be deleted. Name must be in alphabet format. Quantity surveyor must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the quantity surveyor permitted to delete equipment check.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	4.9
Requirement name (use case name):	Write-off equipment
Requirement short description:	The system must allow the admin to write off equipment.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for equipment using the name of the equipment. All equipment details, including name and quantity must be displayed in a table format. The admin will select the equipment he/she wants to write off. The system will request confirmation. Once confirmed, the equipment will be written off in the system. <p>Constraints:</p> <ul style="list-style-type: none"> equipment with same name must not exist in the system. equipment details must be in the correct format. Name(alphabet), quantity(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to write off equipment.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

5. Vehicle subsystem

Functional Requirement	Explanation
Requirement number:	5.1
Requirement name (use case name):	Add Vehicle.
Requirement short description:	The system must allow the admin the add a new vehicle.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin wants to add a new vehicle to the system. All vehicle details, including name, registration number, models, quantity and purchase date will be captured on the add vehicle form. The system will request confirmation from the admin. Once confirmed, the vehicle will be added to the system <p>Constraints:</p> <ul style="list-style-type: none">• Vehicle's registration number must not be same as other vehicles in the system.• Vehicle details must be in the correct format. Name(alphabets), registration number (Alphanumeric), model (Alphanumeric), quantity(numeric) in order to be added to the system.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	Only the admin and manager are permitted to add new vehicles to the system.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.2
Requirement name (use case name):	Update Vehicle
Requirement short description:	The system must allow the admin to update the vehicle details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for vehicle using the name of the vehicle. All vehicle details, including name, registration number, model, quantity and purchase date will be displayed in a table format. The admin will select the vehicle he/she wants to update. The updated details will be captured on the update vehicle form. The system will request confirmation from the admin. Once confirmed the updated vehicle details will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> Vehicles must exist in the system. Updated vehicle registration must not be the same as other vehicle registrations in the system. Updated details must be in the correct format, Name(alphabets), registration number (Alphanumeric), model (Alphanumeric), quantity(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	Only the admin and manager are permitted to update vehicle details on the system.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.3
Requirement name (use case name):	Search vehicle
Requirement short description:	The system must allow the admin to search for vehicles.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for vehicles using the name/registration number. All vehicle details, including name, registration number, model and quantity will be displayed from the system in a table format. <p>Constraints:</p> <ul style="list-style-type: none">• Name must be alphabets• Admin/manager must be logged in the system.
Business rules applicable to this requirement	Only the admin and manager are permitted to search for vehicles.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.4
Requirement name (use case name):	Delete vehicle
Requirement short description:	The system must allow the admin to delete vehicles.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for vehicles using the name/registration number. All vehicle details, including name, registration number, model and quantity will be displayed in a table format. The admin will select the vehicle he/she wants to delete. The system will request the admin/manager to confirm the deletion of a vehicle. Once confirmed, the vehicle will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> Vehicle must exist in the system and not be assigned to a foreman. Admin/manager must be logged in the system.
Business rules applicable to this requirement	Only the admin and manager are permitted to search for vehicles.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.5
Requirement name (use case name):	Add vehicle type
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add vehicle type form. The system will request confirmation from the admin. Once confirmed, the new vehicle type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none">• vehicle type with same name must not exist in the system.• Vehicle type details must be in the correct format. Name(alphabet).• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.6
Requirement name (use case name):	Update vehicle type
Requirement short description:	The system must allow the admin to update vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for vehicle type using the name of the vehicle. All vehicle details, including name must be displayed in a table format. The admin will select the vehicle type he/she wants to update. The admin will add the updated vehicle type details to the update vehicle type form. The system will request confirmation. Once confirmed, the updated vehicle type will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type must exist in the system Updated details must not be the same as other vehicle in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.7
Requirement name (use case name):	Search vehicle type
Requirement short description:	The system must allow the admin to search for vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for vehicle type using the name of the vehicle.• All vehicle type details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none">• vehicle type details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.8
Requirement name (use case name):	Delete vehicle type
Requirement short description:	The system must allow the admin to delete material type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for vehicle type using the name of the vehicle. All vehicle details, including name will be displayed in a table format. The admin will select the vehicle type he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the vehicle type will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type must exist in the system, vehicle type must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	5.9
Requirement name (use case name):	Assign vehicle
Requirement short description:	The system must allow the admin to assign vehicles to a foreman.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for vehicles using the name/registration number. All vehicle details, including name, registration number, model and quantity will be displayed in a table format. The admin will assign a vehicle to a foreman and add the usage period. A notification will be sent to the assigned foreman containing details of the vehicle which include name, registration number and model. <p>Constraints:</p> <ul style="list-style-type: none">• Vehicle and foreman must exist in the system.• Vehicle must not be assigned to any other foreman• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to assign vehicles.• Foreman must be only assigned to one vehicle at a time.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

6. Report subsystem

Functional Requirement	Explanation
Requirement number:	6.1
Requirement name (use case name):	Generate material request report
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type with same name must not exist in the system. Vehicle type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	6.2
Requirement name (use case name):	Generate bill of quantity report
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type with same name must not exist in the system. Vehicle type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	6.3
Requirement name (use case name):	Generate project report
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type with same name must not exist in the system. Vehicle type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	6.4
Requirement name (use case name):	Generate equipment check report
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> vehicle type with same name must not exist in the system. Vehicle type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	6.5
Requirement name (use case name):	Generate employee availability report
Requirement short description:	The system must allow the admin to add new vehicle type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add vehicle type to the system. All vehicle type details, including name will be captured using the add material type form. The system will request confirmation from the admin. Once confirmed, the new material type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none">• vehicle type with same name must not exist in the system.• Vehicle type details must be in the correct format. Name(alphabet).• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add new vehicle type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

7. Incident subsystem

Functional Requirement	Explanation
Requirement number:	7.1
Requirement name (use case name):	Add incident
Requirement short description:	The system must allow the admin/foreman to report/add an incident.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The foreman will select to add an incident. The system will request the foreman to add the incident description, date and incident type. These details will be captured using the add incident form. the system will then request confirmation from the foreman. Once confirmed the incident will be added to the system <p>Constraints:</p> <ul style="list-style-type: none"> The incident details must be in the correct format, Description(alphabets), location(alphanumeric), and date(datetime). Admin/Foreman must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman/manager are permitted to add an incident.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	7.2
Requirement name (use case name):	Update incident
Requirement short description:	The system must allow the admin/foreman to update an incident.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The foreman will select to update an incident. The foreman will search the incident using the date. The system will retrieve and display all incidents that occurred on the specified day in the search field and arrange them in a table format. The foreman will proceed to select the incident he/she want to update. The system will respond by requesting the foreman to update the details (Description, Date and incident type) of the incident. The system will capture the inputs on the update incident form. the system will then request confirmation from the foreman. Once confirmed, the updated incidents will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none">A valid incident must exist in the systemThe incident details must be in the correct format, Description(alphabets), location(alphanumeric), and date(datetime).Admin/Foreman must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin/foreman/manager are permitted to update incidents.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	7.3
Requirement name (use case name):	Search Incident
Requirement short description:	The system must allow the admin to search for incidents.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will select to search for incidents. The admin will search using the incident type/ date. The system will retrieve the details on the incident and display them in a table format. The details include Incident description, date and incident type. <p>Constraints:</p> <ul style="list-style-type: none">• Admin must be logged in.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for incidents.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	7.4
Requirement name (use case name):	Delete incident
Requirement short description:	The system must allow the admin/foreman to delete an incident.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The foreman will select to views incidents. The foreman will search the incident using the date. incident type. The system will retrieve and display all incidents that occurred on the specified day in the search field and arrange them in a table format. The foreman will proceed to select the incident he/she want to delete. The system will then request confirmation from the foreman. Once confirmed, the incident will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> A valid incident must exist in the system The incident details must be in the correct format, Description(alphabets), location(alphanumeric), and date(datetime). Admin/Foreman must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin/foreman/manager are permitted to delete incidents.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

8. Supplier subsystem

Functional Requirement	Explanation
Requirement number:	8.1
Requirement name (use case name):	Add supplier
Requirement short description:	The system must allow the admin to add a new supplier.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add a supplier on the system. All supplier details, including supplier name, location and contacts will be added to the add supplier form. The system will require confirmation from the admin. Once confirmed the system will save the supplier. <p>Constraints:</p> <ul style="list-style-type: none"> Supplier with the same attributes must not exist on the system. Details added to the supplier form must be in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric) Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add new suppliers.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.2
Requirement name (use case name):	Update supplier
Requirement short description:	The system must allow the admin to update supplier details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the supplier using the supplier's name. All supplier details, including supplier name, location and contacts will be displayed in a table format. The admin will select the supplier he/she wishes to update. The admin will then add the updated supplier details to the update supplier form. The system will request confirmation for the admin. Once confirmed, the system will save the updated supplier details. <p>Constraints:</p> <ul style="list-style-type: none"> Supplier must exist in the system. Supplier's name must not be same as other suppliers in the system Details added to the supplier form must me in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update suppliers.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.3
Requirement name (use case name):	Search supplier
Requirement short description:	The system must allow the admin to search supplier.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for supplier using the name of the supplier. All supplier details, including supplier name, location and contacts must be displayed. <p>Constraints:</p> <ul style="list-style-type: none">• Supplier details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for suppliers.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	8.4
Requirement name (use case name):	Delete supplier
Requirement short description:	The system must allow the admin to delete a supplier.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the supplier using the supplier's name. All supplier details, including supplier name, location and contacts will be displayed in a table format. The admin will select the supplier he/she wants to delete. The system will request confirmation form the admin. Once confirmed, the supplier will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> Supplier must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete suppliers.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.5
Requirement name (use case name):	Add supplier type
Requirement short description:	The system must allow the admin to add new supplier type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add supplier type to the system. All supplier type details, including name will be captured using the add supplier type form. The system will request confirmation from the admin. Once confirmed, the new supplier type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> supplier type with same name must not exist in the system. supplier type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add supplier types.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.6
Requirement name (use case name):	Update supplier type
Requirement short description:	The system must allow the admin to update supplier type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for supplier type using the name of the supplier. All supplier details, including name must be displayed in a table format. The admin will select the supplier type he/she wants to update. The admin will add the updated supplier type details to the update supplier type form. The system will request confirmation. Once confirmed, the updated supplier type will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> supplier type must exist in the system Updated details must not be the same as other supplier in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update supplier type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.7
Requirement name (use case name):	Search supplier type
Requirement short description:	The system must allow the admin to search for supplier type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for supplier type using the name of the supplier. All supplier type details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> supplier type details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for supplier type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	8.8
Requirement name (use case name):	Delete supplier type
Requirement short description:	The system must allow the admin to delete supplier type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for supplier type using the name of the supplier. All supplier details, including name will be displayed in a table format. The admin will select the supplier type he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the supplier type will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> supplier type must exist in the system, supplier type must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete supplier type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

9. Supplier Order subsystem

Functional Requirement	Explanation
Requirement number:	9.1
Requirement name (use case name):	Generate supplier order
Requirement short description:	The system must allow the admin to generate a supplier order.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will request to generate a supplier order in the system. All supplier order details, including name, quantity, supplier and date will be captured using the supplier order form. The system will request confirmation from the admin. Once confirmed, the supplier order will be generated into the system. <p>Constraints:</p> <ul style="list-style-type: none">Supplier order details must be in the correct format. Name(alphabet), quantity(numeric).Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin and manager are permitted generate a supplier order.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	9.2
Requirement name (use case name):	Search supplier order
Requirement short description:	The system must allow the admin to update material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will search for supplier order using the date. All supplier order details, including name, quantity, supplier and date must be displayed in a table format. The admin will select the supplier he/she wants to View. <p>Constraints:</p> <ul style="list-style-type: none">supplier type details must be displayed in table format.Name must be in alphabet format.Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin and manager are permitted to search for supplier orders.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	9.3
Requirement name (use case name):	Cancel supplier order
Requirement short description:	The system must allow the admin to delete supplier orders.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for supplier order using the date. All supplier order details, including name, quantity, supplier and date must be displayed in a table format. The admin will select the supplier he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the supplier order will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> Supplier order details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to cancel supplier order
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

10. Project Subsystem

Functional Requirement	Explanation
Requirement number:	10.1
Requirement name (use case name):	Add Project
Requirement short description:	The system must allow the admin to add a new project.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to create a project to the system. All project details, including project name, location, contacts, start and end date. will be added to the add project form. The system will require confirmation form the admin. Once confirmed the system will save the project. <p>Constraints:</p> <ul style="list-style-type: none">• project with the same attributes must not exist on the system.• Details added to the project form must me in the correct format.• Name (Alphabets), location (Alphanumeric), contacts(numeric)• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to create project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.2
Requirement name (use case name):	Update project
Requirement short description:	The system must allow the admin to update project details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the project using the project's name. All project details, including project name, location, contacts, start and end date will be displayed in a table format. The admin will select the project he/she wishes to update. The admin will then add the updated project details to the update project form. The system will request confirmation for the admin. Once confirmed, the system will save the updated project details. <p>Constraints:</p> <ul style="list-style-type: none"> project must exist in the system. project name must not be same as other project in the system Details added to the project form must me in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.3
Requirement name (use case name):	Search project
Requirement short description:	The system must allow the admin to search project.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for project using the name of the project. All project details, including project name, location, contacts, start and end date must be displayed. <p>Constraints:</p> <ul style="list-style-type: none">• project details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	10.4
Requirement name (use case name):	Delete project
Requirement short description:	The system must allow the admin to delete a project.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for the project using the project's name. All project details, including project name, location, contacts, start and end date will be displayed in a table format. The admin will select the project he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the project will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none">• project must exist in the system.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to delete project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.5
Requirement name (use case name):	Add safety-file checklist item
Requirement short description:	The system must allow the admin to add safety-file checklist item.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add safety-file checklist item to the system. All safety-file checklist item details, including name will be captured using the add safety-file checklist item form. The system will request confirmation from the admin. Once confirmed, the new safety-file checklist item will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none">• safety-file checklist item with same name must not exist in the system.• safety-file checklist item details must be in the correct format. Name(alphabet).• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add safety-file checklist items.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.6
Requirement name (use case name):	Update safety-file checklist item
Requirement short description:	The system must allow the admin to update safety-file checklist item.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for safety-file checklist item using the name of the safety-file checklist item. All safety-file checklist item details, including name must be displayed in a table format. The admin will select the safety-file checklist item he/she wants to update. The admin will add the updated safety-file checklist item details to the update safety-file checklist item form. The system will request confirmation. Once confirmed, the updated safety-file checklist item will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist item must exist in the system Updated details must not be the same as other safety-file checklist item in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update safety-file checklist item.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.7
Requirement name (use case name):	Search safety-file checklist item
Requirement short description:	The system must allow the admin to search for safety-file checklist item.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for checklist item using the name of safety-file checklist item. All safety-file checklist item details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist item details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for safety-file checklist item.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.8
Requirement name (use case name):	Delete safety-file checklist item
Requirement short description:	The system must allow the admin to delete safety-file checklist item.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for safety-file checklist item using the name of the safety-file checklist item. All safety-file checklist item details, including name will be displayed in a table format. The admin will select the safety-file checklist item he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the safety-file checklist item will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist item must exist in the system, safety-file checklist item must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete safety-file checklist item.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.9
Requirement name (use case name):	Add safety-file checklist.
Requirement short description:	The system must allow the admin to add safety-file checklist.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add safety-file checklist to the system. All safety-file checklist. details, including Project's name, name of safety files will be displayed in table format. The admin will proceed to check available safety files on the safety file form. The system will request confirmation from the admin. Once confirmed, the new safety-file checklist will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add safety-file checklist.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.10
Requirement name (use case name):	Update safety-file checklist.
Requirement short description:	The system must allow the admin to update safety-file checklist.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for safety-file checklist item using the project's name. All safety-file checklist details, including project's name and name of safety files must be displayed in a table format. The admin will select the safety-file checklist item he/she wants to update. The admin will proceed to check available safety files on the update safety-file checklist form. The system will request confirmation. Once confirmed, the updated safety-file checklist will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist must exist in the system Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update safety-file checklist.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.11
Requirement name (use case name):	Search safety-file checklist.
Requirement short description:	The system must allow the admin to search for safety-file checklist.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for safety-file checklist item using the project's name. All safety-file checklist details, including project's name, name and, name of safety files must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for safety-file checklist.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.12
Requirement name (use case name):	Delete safety-file checklist.
Requirement short description:	The system must allow the admin to delete safety-file checklist.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for safety-file checklist item using the project's name. All safety-file checklist details, including project's name and name of safety files will be displayed in a table format. The admin will select the safety-file checklist he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the safety-file checklist will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> safety-file checklist must exist in the system, safety-file checklist must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete safety-file checklist.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.13
Requirement name (use case name):	Add Project staff
Requirement short description:	The system must allow the admin to add a new supplier.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add a project staff to the system. All employees available to duty will be listed in a table format. The admin will proceed to select/tick employees to add to the project staff using the add project staff form. The system will request confirmation from the admin. Once confirmed the system will save the project staff. <p>Constraints:</p> <ul style="list-style-type: none">• project staff must not be assigned yet to project.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to create project staff.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.14
Requirement name (use case name):	Update project staff
Requirement short description:	The system must allow the admin to update project details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will search for the project staff using the project's name. All employees available to duty will be listed in a table format. The admin will proceed to select/tick employees to add to the project staff using the update project staff form. The system will request confirmation from the admin. Once confirmed the system will save the project staff. <p>Constraints:</p> <ul style="list-style-type: none">project staff must exist in the system.Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin and manager are permitted to update project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.15
Requirement name (use case name):	Search project staff.
Requirement short description:	The system must allow the admin to search project staff.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the project staff using the project name. the admin will proceed to select the project. A list of employees assigned to the project will be displayed in table format <p>Constraints:</p> <ul style="list-style-type: none"> Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for project staff.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	10.16
Requirement name (use case name):	Clear project staff.
Requirement short description:	The system must allow the admin to delete a project staff.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the project staff using the project name. the admin will proceed to select the project. A list of employees assigned to the project will be displayed in table format the admin will select the employee he/she wants to delete from the project. The system will request confirmation form the admin. Once confirmed, the project staff will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> project staff must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete project staff.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.17
Requirement name (use case name):	Add task
Requirement short description:	The system must allow the admin to add a new task.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add a task to the system. All task details, including task name, project name and start and end date. will be added to the add task form. The system will require confirmation form the admin. Once confirmed the system will save the task . <p>Constraints:</p> <ul style="list-style-type: none"> Details added to the task form must me in the correct format. Name (Alphabets),description(alphabets) Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to create project.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.18
Requirement name (use case name):	Update task
Requirement short description:	The system must allow the admin to update task details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the task using the task date/ project name . All task details, including task name, project name and start and end date will be displayed in a table format. The admin will select the task he/she wishes to update. The admin will then add the updated task details to the update task form. The system will request confirmation for the admin. Once confirmed, the system will save the updated task details. <p>Constraints:</p> <ul style="list-style-type: none"> task must exist in the system. task name must not be same as other project in the system Details added to the project form must me in the correct format. Name (Alphabets) Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update task .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.19
Requirement name (use case name):	Search task
Requirement short description:	The system must allow the admin to search task.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for task using the name of the project/ date of the take. All task details, including task name, project name and start and end date. <p>Constraints:</p> <ul style="list-style-type: none">• task details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for task.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	10.20
Requirement name (use case name):	Delete task
Requirement short description:	The system must allow the admin to delete a task.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for task using the name of the project/ date of the take. All task details, including task name, project name and start and end date. The admin will select the task he/she wants to delete. The system will request confirmation form the admin. Once confirmed, the task will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> task must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete task.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.21
Requirement name (use case name):	Add task type
Requirement short description:	The system must allow the admin to add new task type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will request to add task type to the system. All task type details, including name will be captured using the add task type form. The system will request confirmation from the admin. Once confirmed, the new task type will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none"> task type with same name must not exist in the system. task type details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to add task types.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.22
Requirement name (use case name):	Update task type
Requirement short description:	The system must allow the admin to update task type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for task type using the name of the task. All task details, including name must be displayed in a table format. The admin will select the task type he/she wants to update. The admin will add the updated task type details to the update task type form. The system will request confirmation. Once confirmed, the updated task type will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> task type must exist in the system Updated details must not be the same as other task in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update task type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.23
Requirement name (use case name):	Search task type
Requirement short description:	The system must allow the admin to search for task type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for task type using the name of the task .• All task type details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none">• task type details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for task type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	10.24
Requirement name (use case name):	Delete task type
Requirement short description:	The system must allow the admin to delete task type.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for task type using the name of the task. All task details, including name will be displayed in a table format. The admin will select the task type he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the task type will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> task type must exist in the system, task type must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete task type.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

11. Material request subsystem

Functional Requirement	Explanation
Requirement number:	11.1
Requirement name (use case name):	Add material request.
Requirement short description:	The system must allow the foreman to request material.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The foreman will login into the system and request material. All material request details, including inventory name, quantity and date will be added to a material request form. The system will require confirmation from the foreman. Once confirmed, the system will save the request and await approval from the admin (Send notification). <p>Constraints:</p> <ul style="list-style-type: none">Inventory must exist in the system.Material request details must be in the correct format. Name(alphabets), quantity(numeric) and date(datetime)foreman must be logged in the system.Admin must exist in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin, foreman and manager are permitted to request material.Material request must create before 3pm.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.2
Requirement name (use case name):	Update material request
Requirement short description:	The system must allow the foreman to update material request.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The foreman will view all material requests. All material request details, including inventory name, quantity and date will be displayed in a table format. The foreman will proceed to select the material request he/she wants to update. The updated material request details will be captured on the update material request form. The system will then request confirmation from the foreman. Once confirmed, the updated material request details will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> Material request must exist in the system The updated details must be in the correct format, name(alphabets), quantity(numeric) and date(datetime) Admin/foreman/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the foreman, admin and manager are permitted to update material request. Material request cannot be update after 3pm
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.3
Requirement name (use case name):	Search material request
Requirement short description:	The system must allow the foreman/admin to view material request
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The foreman will view all material requests. All material request details, including inventory name, quantity and date will be displayed in a table format. <p>Constraints:</p> <ul style="list-style-type: none">• Material request must exist in the system• Admin/foreman/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin, foreman and manager are permitted to view material request.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.4
Requirement name (use case name):	Delete material request
Requirement short description:	The system must allow the foreman/admin to delete material request
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The foreman will view all material requests. All material request details, including inventory name, quantity and date will be displayed in a table format. The foreman will select the material request he/she wants to delete. The system will request confirmation form the foreman. Once confirmed, the material request will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> Material request must exist in the system Admin/foreman/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin, foreman and manager are permitted to view material request. Material request cannot be deleted once it has been approved and when 5 minutes have passed since creating the request.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.5
Requirement name (use case name):	Approve Material Request
Requirement short description:	The system must allow the admin to review and approve/disapprove the material request.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">The admin will request to view all material request. All material request details will be displayed in a table format, this includes inventory name, quantity and date. The admin will select the material request she would like to approve/disapprove. The system will require confirmation from the admin. Once approved, the system will then save the approval/disapproval and send a notification to the foreman. <p>Constraints:</p> <ul style="list-style-type: none">Material request must exist in the system.Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">Only the admin and manager are permitted to approve/disapprove material requests.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.6
Requirement name (use case name):	Add urgency level
Requirement short description:	The system must allow the admin to add new urgency level.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add urgency level to the system. All urgency level details, including name will be captured using the add urgency level form. The system will request confirmation from the admin. Once confirmed, the new urgency level will be added into the system. <p>Constraints:</p> <ul style="list-style-type: none">• urgency level with same name must not exist in the system.• urgency level details must be in the correct format. Name(alphabet).• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add urgency level types.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.7
Requirement name (use case name):	Update urgency level
Requirement short description:	The system must allow the admin to update urgency level .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for urgency level using the name of the urgency level. All urgency level details, including name must be displayed in a table format. The admin will select the urgency level he/she wants to update. The admin will add the updated urgency level details to the update urgency level form. The system will request confirmation. Once confirmed, the updated urgency level will be saved in the system. <p>Constraints:</p> <ul style="list-style-type: none"> urgency level must exist in the system Updated details must not be the same as other urgency level in the system. The updated details must be in the correct format. Name(alphabet). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update urgency level .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.8
Requirement name (use case name):	Search urgency level
Requirement short description:	The system must allow the admin to search for urgency level.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for urgency level using the name of the task. All urgency level details, including name must be displayed to the admin from the system. <p>Constraints:</p> <ul style="list-style-type: none"> urgency level details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for urgency level.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	11.9
Requirement name (use case name):	Delete urgency level
Requirement short description:	The system must allow the admin to delete urgency level .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for urgency level using the name of the urgency level . All urgency level details, including name will be displayed in a table format. The admin will select the urgency level he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the urgency level will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> urgency level must exist in the system, urgency level must be selected/ticked in order to be deleted. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete urgency level.
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

12. Client subsystem

Functional Requirement	Explanation
Requirement number:	12.2
Requirement name (use case name):	Add Client
Requirement short description:	The system must allow the admin to add a new client .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add a client on the system. All client details, including client name, location and contacts will be added to the add client form. The system will require confirmation from the admin. Once confirmed the system will save the client . <p>Constraints:</p> <ul style="list-style-type: none">• client with the same attributes must not exist on the system.• Details added to the client form must be in the correct format.• Name (Alphabets), location (Alphanumeric), contacts(numeric)• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add new client .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	12.2
Requirement name (use case name):	Update Client
Requirement short description:	The system must allow the admin to update client details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the client using the client's name. All client details, including client name, location and contacts will be displayed in a table format. The admin will select the client he/she wishes to update. The admin will then add the updated client details to the update client form. The system will request confirmation for the admin. Once confirmed, the system will save the updated client details. <p>Constraints:</p> <ul style="list-style-type: none"> client must exist in the system. client name must not be same as other client in the system Details added to the client form must be in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update client .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	12.3
Requirement name (use case name):	Search client
Requirement short description:	The system must allow the admin to search client .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will search for client using the name of the client . All client details, including client name, location and contacts must be displayed. <p>Constraints:</p> <ul style="list-style-type: none">• client details must be displayed in table format.• Name must be in alphabet format.• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to search for client .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	12.4
Requirement name (use case name):	Delete client
Requirement short description:	The system must allow the admin to delete a client .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the client using the client's name. All client details, including client name, location and contacts will be displayed in a table format. The admin will select the client he/she wants to delete. The system will request confirmation form the admin. Once confirmed, the client will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> client must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete client .
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

13. Warehouse subsystem

Functional Requirement	Explanation
Requirement number:	13.1
Requirement name (use case name):	Add warehouse
Requirement short description:	The system must allow the admin to add a new warehouse .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to add a warehouse on the system. All warehouse details, including warehouse name, location and contacts will be added to the add warehouse form. The system will require confirmation from the admin. Once confirmed the system will save the warehouse . <p>Constraints:</p> <ul style="list-style-type: none">• warehouse with the same attributes must not exist on the system.• Details added to the warehouse form must me in the correct format.• Name (Alphabets), location (Alphanumeric), contacts(numeric)• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add warehouse .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	13.2
Requirement name (use case name):	Update warehouse
Requirement short description:	The system must allow the admin to update warehouse details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the warehouse using the warehouse's name. All warehouse details, including warehouse name, location and contacts will be displayed in a table format. The admin will select the warehouse he/she wishes to update. The admin will then add the updated warehouse details to the update warehouse form. The system will request confirmation for the admin. Once confirmed, the system will save the updated warehouse details. <p>Constraints:</p> <ul style="list-style-type: none"> warehouse must exist in the system. warehouse name must not be same as other client in the system Details added to the warehouse form must be in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update warehouse .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	13.3
Requirement name (use case name):	Search warehouse
Requirement short description:	The system must allow the admin to search warehouse .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for warehouse using the name of the warehouse . All warehouse details, including client name, location and contacts must be displayed. <p>Constraints:</p> <ul style="list-style-type: none"> warehouse details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for warehouse .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	13.4
Requirement name (use case name):	Delete warehouse
Requirement short description:	The system must allow the admin to delete a warehouse .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the warehouse using the warehouse's name. All warehouse details, including client name, location and contacts will be displayed in a table format. The admin will select the warehouse he/she wants to delete. The system will request confirmation from the admin. Once confirmed, the warehouse will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> warehouse must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete warehouse .
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

14. Stock-take subsystem

Functional Requirement	Explanation
Requirement number:	14.1
Requirement name (use case name):	Complete stock-take
Requirement short description:	The system must allow the admin to Complete a stock-take .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none">• The admin will request to Complete a stock-take on the system. All stock-take details, including warehouse name, date description and checklist will be added to the Complete stock-take form. The system will require confirmation from the admin. Once confirmed the system will save the stock-take . <p>Constraints:</p> <ul style="list-style-type: none">• stock-take with the same attributes must not exist on the system.• Details added to the stock-take form must be in the correct format.• Name (Alphabets), location (Alphanumeric), contacts(numeric)• Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none">• Only the admin and manager are permitted to add stock-take .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	13.2
Requirement name (use case name):	Update stock-take
Requirement short description:	The system must allow the admin to update stock-take details.
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the stock-take using the stock-take date/warehouse name. All stock-take details, including warehouse name, date description and checklist will be displayed in a table format. The admin will select the warehouse he/she wishes to update. The admin will then add the updated stock-take details to the update stock-take form. The system will request confirmation for the admin. Once confirmed, the system will save the updated stock-take details. <p>Constraints:</p> <ul style="list-style-type: none"> stock-take must exist in the system. stock-take name must not be same as other client in the system Details added to the stock-take form must me in the correct format. Name (Alphabets), location (Alphanumeric), contacts(numeric). Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to update stock-take .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

Functional Requirement	Explanation
Requirement number:	13.3
Requirement name (use case name):	Search stock-take
Requirement short description:	The system must allow the admin to search stock-take .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for warehouse using the name of the warehouse . All stock-take details, including warehouse name, date description and checklist must be displayed. <p>Constraints:</p> <ul style="list-style-type: none"> stock-take details must be displayed in table format. Name must be in alphabet format. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to search for stock-take .
Revision date and Revision number:	2022/03/28 Version 1.0
Criticality/Priority:	High

	Explanation
Requirement number:	13.4
Requirement name (use case name):	Delete stock-take
Requirement short description:	The system must allow the admin to delete a stock-take .
Requirement detailed description and constraints:	<p>Description:</p> <ul style="list-style-type: none"> The admin will search for the stock-take using the stock-take name. All stock-take details, including warehouse name, date description and checklist will be displayed in a table format. The admin will select the warehouse he/she wants to delete. The system will request confirmation form the admin. Once confirmed, the stock-take will be removed from the system. <p>Constraints:</p> <ul style="list-style-type: none"> stock-take must exist in the system. Admin/manager must be logged in the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the admin and manager are permitted to delete stock-take .
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Non-functional requirements

Non-Functional Requirement	Explanation
Title	Efficient use of resources
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">The system will allow the admin to track the usage of resources.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Non-Functional Requirement	Explanation
Title	Increased security
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">The web and mobile application will allow access only to employees of the organisation
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Non-Functional Requirement	Explanation
Title	High compatibility
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">• The system will be compatible with other system such as Sage pastel.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Non-Functional Requirement	Explanation
Title	Backup data
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">• The database of the system will be hosted on an online platform and this will enable the database to be backed up easily
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Non-Functional Requirement	Explanation
Title	Increased segregation of duties
Requirement detailed description and constraints:	Description: <ul style="list-style-type: none">• The system will increase the segregation of duties in the organisation. For instance, the foreman will request material but cannot be the one who is approving the request.
Revision date and Revision number:	2022/03/09 Version 1.0
Criticality/Priority:	High

Client Signature: _____

Proff Signature: _____