



H.I.I.T

A scheduling/booking system by:

TEAM 7

STRENGTHENING
SOLUTIONS

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ITERATION 10 – Updated Functional Requirements List

The following document contains the signed off requirements list and their relevant details. The requirements create a drafted picture of how the use case diagram will look and what aspects the proposed system, H.I.I.T, will include. The functional requirements are grouped into the following subsystems: 1. Administrator Subsystem, 2. Employee Subsystem, 3. Login Subsystem, 4. Client Subsystem, 5. Member Subsystem, 6. Payments Subsystem, 7. Booking Subsystem, 8. Lesson plan Subsystem, 9. Report Subsystem, 10. Inventory Subsystem, 11. Supplier Subsystem.

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1. DOCUMENT INTRODUCTION

The following document contains the updated signed off functional requirements list that stipulates the basic functions that the new system will hold. Tables are provided for each requirement to explain how each requirement will work.



2. REQUIREMENTS ANALYSIS

2.1 FUNCTIONAL REQUIREMENTS LIST

2.1.1 Subsystem 1 - Administrator Subsystem

- 1.1 Create Sale Item
- 1.2 Search Sale Item
- 1.3 Update Sale Item
- 1.4 Delete Sale Item
- 1.5 View Sale Item
- 1.6 Create Sale Category
- 1.7 Search Sale Category
- 1.8 Update Sale Category
- 1.9 Delete Sale Category
- 1.10 View Sale Category
- 1.11 Create VAT
- 1.12 Search VAT
- 1.13 Delete VAT
- 1.14 View VAT
- 1.15 Create Venue
- 1.16 Search Venue
- 1.17 Update Venue
- 1.18 Delete Venue
- 1.19 View Venue
- 1.20 Send Booking Reminder Notification

2.1.2 Subsystem 2 - Employee Subsystem

- 2.1 Create Employee
- 2.2 Search Employee
- 2.3 Update Employee
- 2.4 Delete Employee
- 2.5 View Employee
- 2.6 Create Employee Type
- 2.7 Search Employee Type
- 2.8 Update Employee Type
- 2.9 Delete Employee Type
- 2.10 View Employee Type
- 2.11 Create Employee Qualification
- 2.12 Search Employee Qualification
- 2.13 Update Employee Qualification
- 2.14 Delete Employee Qualification
- 2.15 View Employee Qualification
- 2.16 Create Employee Qualification Type
- 2.17 Search Employee Qualification Type



- 2.18 Update Employee Qualification Type
- 2.19 Delete Employee Qualification Type
- 2.20 View Employee Qualification Type

2.1.3 Subsystem 3 - Login Subsystem

- 3.1 Login
- 3.2 Logout
- 3.3 Forgot Password
- 3.4 Change Password
- 3.5 Create Title
- 3.6 Search Title
- 3.7 Update Title
- 3.8 Delete Title
- 3.9 View Title

2.1.4 Subsystem 4 - Sale Subsystem

- 4.1 Add to Cart
- 4.2 View Cart
- 4.3 Edit Cart
- 4.4 Check-out
- 4.5 View Shop
- 4.6 Request for Quote
- 4.7 Request Sale Refund
- 4.8 View Sale Refund
- 4.9 Create Refund Reason
- 4.10 Search Refund Reason
- 4.11 Update Refund Reason
- 4.12 Delete Refund Reason
- 4.13 View Refund Reason

2.1.5 Subsystem 5 - Client Subsystem

- 5.1 Register Client
- 5.2 Search Client
- 5.3 Update Client
- 5.4 Delete Client
- 5.5 Manage Client Profile
- 5.6 View Clients
- 5.7 Record Measurement
- 5.8 Generate Client Performance Report
- 5.9 View Measurements
- 5.10 Search Booking
- 5.11 Cancel Booking
- 5.12 View My Booking Calendar



2.1.6 Subsystem 6 - Payments Subsystem

- 6.1 Make Payment
- 6.2 Search Receipt
- 6.3 View Payment

2.1.7 Subsystem 7 - Booking Subsystem

- 7.1 Create Schedule
- 7.2 Search Schedule
- 7.3 Update Schedule
- 7.4 Delete Schedule
- 7.5 View Schedule
- 7.6 Create Booking Type
- 7.7 Search Booking Type
- 7.8 Update Booking Type
- 7.9 Delete Booking Type
- 7.10 View Booking Type
- 7.11 Track Attendance
- 7.12 View Attendance

2.1.8 Subsystem 8 - Lesson Plan Subsystem

- 8.1 Create Lesson
- 8.2 Search Lesson
- 8.3 Update Lesson
- 8.4 Delete Lesson
- 8.5 View Lesson
- 8.6 Create Exercise
- 8.7 Search Exercise
- 8.8 Update Exercise
- 8.9 Delete Exercise
- 8.10 View Exercise
- 8.11 Create Exercise Category
- 8.12 Search Exercise Category
- 8.13 Update Exercise Category
- 8.14 Delete Exercise Category
- 8.15 View Exercise Category

2.1.9 Subsystem 9 - Report Subsystem

- 9.1 Generate Sale Item Report
- 9.2 Generate Client Report
- 9.3 Generate Booking Report
- 9.4 Generate Trainer Report
- 9.5 Generate Income Report



2.1.10 Subsystem 10 - Inventory Subsystem

- 10.1 Write off Stock
- 10.2 View Orders Received
- 10.3 Create Write-off Reason
- 10.4 Search Write-off Reason
- 10.5 Update Write-off Reason
- 10.6 Delete Write-off Reason
- 10.7 View Write-Off Reason
- 10.8 Receive Stock

2.1.11 Subsystem 11 - Supplier Subsystem

- 11.1 Add Supplier
- 11.2 Search Supplier
- 11.3 Update Supplier
- 11.4 Delete Supplier
- 11.5 View Supplier



2.2 FUNCTIONAL REQUIREMENTS DESCRIPTION AND DETAILS

2.2.1 Administrator Subsystem

2.2.1.1 Create Sale Item

Functional Requirement	Explanation
Requirement number:	1.1
Requirement name: (use case name)	Create Sale Item
Requirement short description:	Using an online form on the system, the user should be able to create new sale items on the system. The user should also be able to associate these records with defined sale categories.
Requirement detailed description and constraints:	<p>Description:</p> <p>An online form which presents the defined sale categories to select from (supplements, clothing, protein shakes) and sale item details such as name, photo and description</p> <p>The user can set the sale item to be a quotation based item - the price and quantity field will then be hidden.</p> <p>The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will display the new sale item in the shop.</p> <p>Constraint/s:</p> <p>A duplicate sale item (based on sale item name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create sale items (associated with the relevant user role group)
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High



Table 2.2.1.1 Create Sale Item

2.2.1.2 Search Sale Item

Functional Requirement	Explanation
Requirement number:	1.2
Requirement name : (use case name)	Search Sale Item
Requirement short description:	Using the search bar, the system should be able to search and retrieve sales items.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the Sale Item tab, the user should be able to search sales items based on any stored attribute of the sale item. After a user searches the item, all stored information that matches the request on the particular item is displayed.</p> <p>The stored information for a sales item includes a photo; sales item name; description field and for a quotation item the stored information includes a photo; name and description field. This use case is used by the edit and delete sale item use case.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.1.2 Search Sale Item



2.2.1.3 Update Sale Item

Functional Requirement	Explanation
Requirement number:	1.3
Requirement name: (use case name)	Update Sale Item
Requirement short description:	A user should be able to search for and edit an existing sales item on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Sale item use case to retrieve the record, a form will be populated with the existing data (sales category, product name, product photo, product description, price and the optional fields) so the user can see what information they want to edit without removing the existing information.</p> <p>The user can then update the sale category (class packages, consultation services, merchandise, supplements) and details such as name, photo, description and price.</p> <p>The system then validates all the information entered and ensures nothing is left empty.</p> <p>Once successful, the system will update the sale item in the shop.</p> <p>Constraint/s:</p> <p>A duplicate sale item (based on sale item name) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update a sale item (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.1.3 Update Sale Item



2.2.1.4 Delete Sale Item

Functional Requirement	Explanation
Requirement number:	1.4
Requirement name: (use case name)	Delete Sale Item
Requirement short description:	A user should be able to search for and delete an existing sales item on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Sale Item use case to display a list of the records for the user to select, after which a confirmation message will display the sale item information and ask if it is the correct record to delete.</p> <p>The user can confirm or cancel the delete operation. Once successful, the system will notify the user that the sale item has been deleted.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to delete a sale item (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.1.4 Delete Sale Item



2.2.1.5 View Sale Item

Functional Requirement	Explanation
Requirement number:	1.5
Requirement name: (use case name)	View Sale Item
Requirement short description:	The system should be able to present a view to the user so they can access the sale item functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the sale item view to users - and allow them to access the functionality for managing sale items on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access sale item functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.1.5 View Sale Item



2.2.1.6 Create Sale Category

Functional Requirement	Explanation
Requirement number:	1.6
Requirement name: (use case name)	Create Sale Category
Requirement short description:	Using an online form on the system, the user should be able to create new sale categories.
Requirement detailed description and constraints:	<p>Description:</p> <p>An online form which requests the sale category name and sale category description is presented. The system then validates the name and description entered and ensures it is not left empty.</p> <p>The system will create a new Sale Category record with the name and description attributes.</p> <p>Once successful, the system will notify the user that the sale category has been created.</p> <p>The system will also add the sale category to both the sale category list of filters used in the shop, and in the sale category dropdown list used in Sale Item.</p> <p>Constraint/s:</p> <p>A duplicate sale category (based on the sale category name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create sale categories (associated with the relevant user role group)
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.6 Create Sale Category



2.2.1.7 Search Sale Category

Functional Requirement	Explanation
Requirement number:	1.7
Requirement name : (use case name)	Search Sale Category
Requirement short description:	Using the search bar, the system should be able to search and retrieve sale category records along with their associated details. .
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the search bar under the Sale Category tab, the user should be able to search sale categories based on any stored attribute of the sale category. After a user searches the category, all stored information that matches the request on the particular category is displayed.</p> <p>The stored information for a sale category includes a name; and description This use case is used by the update and delete sale category use case.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	None.
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.7 Search Sale Category



2.2.1.8 Update Sale Category

Functional Requirement	Explanation
Requirement number:	1.8
Requirement name: (use case name)	Update Sale Category
Requirement short description:	A user should be able to edit an existing sale category on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search sale category use case to retrieve the record, a form will be populated with the existing sale category information, so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates the name and description entered and ensures it is not left empty.</p> <p>The system will update the Sale Category record with the entered name and description attributes.</p> <p>Once successful, the system will notify the user that the sale category has been updated.</p> <p>The system will also update the sale category in both the sale category list of filters used in the shop, and in the sale category dropdown list used in Sale Item.</p> <p>Constraint/s:</p> <p>A duplicate sale category (based on the sale category name) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update a sale category (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.8 Update Sale Category



2.2.1.9 Delete Sale Category

Functional Requirement	Explanation
Requirement number:	1.9
Requirement name: (use case name)	Delete Sale Category
Requirement short description:	A user should be able to delete an existing sale category on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Sale Category use case to retrieve the record, a confirmation message will display the sale category information and ask if it is the correct record to delete.</p> <p>The system will prompt the system administrator to confirm deleting the sale category. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will notify the user that the sale category has been deleted.</p> <p>The system will also remove the sale category from both the sale category list of filters used in the shop, and in the sale category dropdown list used in Sale Item.</p> <p>Constraint/s:</p> <p>A sales category cannot be deleted if 1 or more sale item records are associated with the category.</p>
Business rules applicable to this requirement	Users need permission to delete a sale category (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.9 Delete Sale Category



2.2.1.10 View Sale Category

Functional Requirement	Explanation
Requirement number:	1.10
Requirement name: (use case name)	View Sale Category
Requirement short description:	The system should be able to present a view to the user so they can access the Sale Category functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the sale category view to users - and allow them to access the functionality for managing Sale Categories on the system. (Search Sale Category, Create Sale Category, Update Sale Category and Delete Sale Category)</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access sale category functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.10 View Sale Category



2.2.1.11 Create VAT

Functional Requirement	Explanation
Requirement number:	1.11
Requirement name : (use case name)	Create VAT
Requirement short description:	Using an online form on the system, the user should be able to create new VAT percentages.
Requirement detailed description and constraints:	<p>Description:</p> <p>An online form which requests the VAT percentage is presented.</p> <p>The system then validates the VAT percentage (the entered VAT Percentage is more than 0, less than 100 and numeric) and ensures the percentage field is not left empty.</p> <p>The system will create a new VAT record with the current system date and VAT percentage.</p> <p>Once successful, the system will notify the user that the venue has been created.</p> <p>Constraint/s:</p> <p>A duplicate VAT (based on the VAT percentage) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create VAT records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High



Table 2.2.1.11 Create VAT

2.2.1.12 Search VAT

Functional Requirement	Explanation
Requirement number:	1.12
Requirement name : (use case name)	Search VAT
Requirement short description:	Using the search bar, the user should be able to search and retrieve VAT records along with their associated details.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the search bar under the VAT tab, the user should be able to search VAT Percentages based on any stored attribute of the VAT. After a user searches the VAT, all stored information that matches the request on the particular VAT is displayed.</p> <p>The stored information for a VAT includes a VAT percentage; and a date created attributes. This use case is used by the delete VAT use case.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	Users need permission to delete search VAT records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.12 Search VAT



2.2.1.13 Delete VAT

Functional Requirement	Explanation
Requirement number:	1.13
Requirement name : (use case name)	Delete VAT
Requirement short description:	A user should be able to delete an existing VAT record on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search VAT use case to retrieve the record, a confirmation message will display the VAT information and ask if it is the correct record to delete.</p> <p>The system will prompt the system administrator to confirm deleting the VAT. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will notify the user that the VAT has been deleted.</p> <p>.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	Users need permission to delete VAT records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.13 Delete VAT



2.2.1.14 View VAT

Functional Requirement	Explanation
Requirement number:	1.14
Requirement name : (use case name)	View VAT
Requirement short description:	The system should be able to present a view to the user so they can access the VAT functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the VAT view to users - and allow them to access the functionality for managing VAT on the system. (Create VAT, Search VAT and Delete VAT)</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access VAT functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.14 View VAT



2.2.1.15 Create Venue

Functional Requirement	Explanation
Requirement number:	1.15
Requirement name : (use case name)	Create Venue
Requirement short description:	Using an online form on the system, the user should be able to create new venues.
Requirement detailed description and constraints:	<p>Description:</p> <p>An online form which requests the venue name, address, postal code and capacity is presented.</p> <p>The system then validates all the information entered (ensures Capacity attribute is not 0 or less and is numeric, and that the postal code attribute consists of 4 digits) and ensures nothing is left empty.</p> <p>The system will create a new venue record with the name address, postal code and capacity attributes.</p> <p>Once successful, the system will notify the user that the venue has been created.</p> <p>Constraint/s:</p> <p>A duplicate venue (based on venue name and/or venue address) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create a venue (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.15 Create Venue



2.2.1.16 Search Venue

Functional Requirement	Explanation
Requirement number:	1.16
Requirement name : (use case name)	Search Venue
Requirement short description:	Using the search bar, the user should be able to search and retrieve venue records along with their associated details.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the Venues menu item, the user should be able to search venues based on any stored attribute of the venue. After a user searches the venue, all stored information that matches the request on the particular venue is displayed.</p> <p>The stored information for a venue includes a name; address, postal code and capacity. This use case is used by the update and delete venue use case.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	None.
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.16 Search Venue



2.2.1.17 Update Venue

Functional Requirement	Explanation
Requirement number:	1.17
Requirement name : (use case name)	Update Venue
Requirement short description:	A user should be able to update an existing venue on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Venue use case to retrieve the record, a form will be populated with the existing data (venue name, address, postal code, and capacity) so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates all the information entered (ensures Capacity attribute is not 0 or less and is numeric, and that the postal code attribute consists of 4 digits) and ensures nothing is left empty.</p> <p>The system will update the venue record with the entered name address, postal code and capacity attributes.</p> <p>Once successful, the system will notify the user that the venue has been updated.</p> <p>Constraint/s:</p> <p>A duplicate venue (based on venue name and/or address) cannot be added.</p>
Business rules applicable to this requirement	Users need permission to update a venue(associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.17 Update Venue



2.2.1.18 Delete Venue

Functional Requirement	Explanation
Requirement number:	1.18
Requirement name : (use case name)	Delete Venue
Requirement short description:	A user should be able to delete a venue's existing information on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Venue use case to retrieve the record, a confirmation message will display the venue information and ask if it is the correct record to delete.</p> <p>The system will prompt the system administrator to confirm deleting the venue. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will notify the user that the venue has been deleted.</p> <p>Constraint/s:</p> <p>A venue that is associated with a schedule cannot be deleted.</p>
Business rules applicable to this requirement	Users need permission to delete a venue (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.18 Delete Venue



2.2.1.19 View Venue

Functional Requirement	Explanation
Requirement number:	1.19
Requirement name : (use case name)	View Venue
Requirement short description:	The system should be able to present a view to the user so they can access the venue functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the venue view to users - and allow them to access the functionality for managing venues on the system. (Search Venue, Create Venue, Update Venue and Delete Venue)</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access venue functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-04 Version 4.0
Criticality/Priority:	High

Table 2.2.1.19 View Venue



2.2.1.20 Send Booking Reminder Notification

Functional Requirement	Explanation
Requirement number:	1.20
Requirement name : (use case name)	Send Booking Reminder Notification
Requirement short description:	The system should be able to automatically (based on time) send out notification reminders for bookings.
Requirement detailed description and constraints:	<p>Description: The system should be able to automatically send notifications to trainers and clients to remind them of an upcoming booking session. The system should check the preferred notification type for each user.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Booking cancellations are charged in full if they are made within 24 hours of the booking, so reminder notifications must be sent out 48 hours in advance.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.1.20 Send Booking Reminder Notification



2.2.2 Employee Subsystem

2.2.2.1 Create Employee

Functional Requirement	Explanation
Requirement number:	2.1
Requirement name : (use case name)	Create Employee
Requirement short description:	Using an online form on the system, the user should be able to upload all new information and if it is ready they can attach the signed employee contract.
Requirement detailed description and constraints:	<p>Description: An online form which requests employees details such as name, surname, ID number, personal photo, cell phone number, email address, and contract. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the employee has been created and an email will be sent to the employee with a password to access the system.</p> <p>Constraint/s: A duplicate account (based on the ID number, email address and cell phone number) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create employees (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.1 Create Employee



2.2.2.2 Search Employee

Functional Requirement	Explanation
Requirement number:	2.2
Requirement name : (use case name)	Search Employee
Requirement short description:	Using the search bar, the system should be able to search and retrieve employee records along with their associated hours logged.
Requirement detailed description and constraints:	<p>Description: Using the search bar under employee management tab, the user searches employees based on any stored information (name, surname, ID number, personal photo, cell phone number, home address, email address). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search employees (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.2 Search Employee



2.2.2.3 Update Employee

Functional Requirement	Explanation
Requirement number:	2.3
Requirement name : (use case name)	Update Employee
Requirement short description:	A user should be able to search for and update an employee's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Employee use case to retrieve the record, a form will be populated with the existing data (name, surname, ID number, personal photo, cell phone number, home address, email address) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty.</p> <p>Once successful, the system will notify the user that the employee has been updated and the system will ask if the user would like to upload the employee contract if it is not yet completed.</p> <p>Constraint/s: A duplicate employee (based on ID number) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update employee information (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.3 Update Employee



2.2.2.4 Delete Employee

Functional Requirement	Explanation
Requirement number:	2.4
Requirement name : (use case name)	Delete Employee
Requirement short description:	A user should be able to search for and delete an employee's existing information on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee use case to retrieve the record, a confirmation message will display the employee information and ask if it is the correct record to delete.</p> <p>In line with the POPI act, if an employee is deleted from the system - all traces of their information needs to be removed as well. In order to ensure this, an email notification will be sent to the system administrator confirming the delete and reminding them to audit the backups and remove inactive employees.</p> <p>Once successful, the system will notify the user that the employee has been deleted.</p> <p>Constraint/s:</p> <p>An employee cannot be deleted if they are associated with an active booking.</p>
Business rules applicable to this requirement	Users need permission to delete an employee record (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.4 Delete Employee



2.2.2.5 View Employee

Functional Requirement	Explanation
Requirement number:	2.5
Requirement name : (use case name)	View Employee
Requirement short description:	The system should be able to present a view to the user so they can access the employee functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the employee view to users - and allow them to access the functionality for managing employees on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access employee functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.5 View Employee



2.2.2.6 Create Employee Type

Functional Requirement	Explanation
Requirement number:	2.6
Requirement name : (use case name)	Create Employee Type
Requirement short description:	A user should be able to create an employee type.
Requirement detailed description and constraints:	<p>Description: An online form will request employee type details such as name. The system then validates the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the employee type has been created.</p> <p>Constraint/s: A duplicate type (based on the employee type id) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create employee type (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.6 Create Employee Type



2.2.2.7 Search Employee Type

Functional Requirement	Explanation
Requirement number:	2.7
Requirement name : (use case name)	Search Employee Type
Requirement short description:	The system retrieves the list of employee types, and populates the filters tab on the employee management tab. When searching for employees, the filters are applied.
Requirement detailed description and constraints:	<p>Description: The system displays a list of employee types and populates a filter with all the types on the employee management tab. It populates the filter with the stored information on the system. This use case will be used by the update employee type and delete employee type use cases.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: A user can only select the type from a filter instead of manually typing the type name into a search bar.</p>
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.7 Search Employee Type



2.2.2.8 Update Employee Type

Functional Requirement	Explanation
Requirement number:	2.8
Requirement name : (use case name)	Update Employee Type
Requirement short description:	A user should be able to search for and edit an existing employee type on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee Type use case to retrieve the record, a form will be populated with the existing employee type name so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates the name entered and ensures it is not left empty. Once successful, the system will update the employee type list of filters used.</p> <p>Constraint/s:</p> <p>A duplicate employee type(based on the employee type name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to edit an employee type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.8 Update Employee Type



2.2.2.9 Delete Employee Type

Functional Requirement	Explanation
Requirement number:	2.9
Requirement name : (use case name)	Delete Employee Type
Requirement short description:	A user should be able to search for and delete an existing employee type on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee Type use case to retrieve the record, a pop up will display the employee type to delete.</p> <p>The system will ask the user to confirm and display the employee type name. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will update the employee type list of filters used.</p> <p>Constraint/s:</p> <p>An employee type cannot be deleted if 1 or more employees are associated with the type.</p>
Business rules applicable to this requirement	Users need permission to delete an employee type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.9 Delete Employee Type



2.2.2.10 View Employee Type

Functional Requirement	Explanation
Requirement number:	2.10
Requirement name : (use case name)	View Employee Type
Requirement short description:	The system should be able to present a view to the user so they can access the employee type functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the employee type view to users - and allow them to access the functionality for managing employee type on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access employee type functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.10 View Employee Type



2.2.2.11 Create Employee Qualification

Functional Requirement	Explanation
Requirement number:	2.11
Requirement name : (use case name)	Create Employee Qualification
Requirement short description:	A user should be able to create an employee qualification.
Requirement detailed description and constraints:	<p>Description: An online form will request employee qualification details such as Description. The system then validates the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the qualification has been created.</p> <p>Constraint/s: A duplicate qualification (based on the employee qualification id) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create employee qualification (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.11 Create Employee Qualification



2.2.2.12 Search Employee Qualification

Functional Requirement	Explanation
Requirement number:	2.12
Requirement name : (use case name)	Search Employee Qualification
Requirement short description:	The system retrieves the list of employee qualifications, and populates the filters tab on the employee management tab. When searching for employees, the filters are applied.
Requirement detailed description and constraints:	<p>Description: The system displays a list of employee qualifications and populates a filter with all the qualifications on the employee management tab. It populates the filter with the stored information on the system. This use case will be used by the update employee qualification and delete employee qualification use cases.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: A user can only select the qualification from a filter instead of manually typing the qualification name into a search bar.</p>
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.12 Search Employee Qualification



2.2.2.13 Update Employee Qualification

Functional Requirement	Explanation
Requirement number:	2.13
Requirement name : (use case name)	Update Employee Qualification
Requirement short description:	A user should be able to search for and edit an existing employee qualification on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee Qualification use case to retrieve the record, a form will be populated with the existing employee qualification description so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates the description entered and ensures it is not left empty.</p> <p>Once successful, the system will update the employee qualification list of filters used.</p> <p>Constraint/s:</p> <p>A duplicate employee qualification (based on the employee qualification description) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to edit an employee qualification (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.13 Update Employee Qualification



2.2.2.14 Delete Employee Qualification

Functional Requirement	Explanation
Requirement number:	2.14
Requirement name : (use case name)	Delete Employee Qualification
Requirement short description:	A user should be able to search for and delete an existing employee qualification on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee Qualification use case to retrieve the record, a pop up will display the employee qualification to delete.</p> <p>The system will ask the user to confirm and display the employee qualification description. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will update the employee qualification list of filters used.</p> <p>Constraint/s:</p> <p>An employee qualification cannot be deleted if 1 or more employees are associated with the qualification.</p>
Business rules applicable to this requirement	Users need permission to delete an employee qualification (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.14 Delete Employee Qualification



2.2.2.15 View Employee Qualification

Functional Requirement	Explanation
Requirement number:	2.15
Requirement name : (use case name)	View Employee Qualification
Requirement short description:	The system should be able to present a view to the user so they can access the employee qualification functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the employee qualification view to users - and allow them to access the functionality for managing employee qualifications on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access employee qualification functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.15 View Employee Qualification



2.2.2.16 Create Employee Qualification Type

Functional Requirement	Explanation
Requirement number:	2.16
Requirement name : (use case name)	Create Employee Qualification Type
Requirement short description:	A user should be able to create an employee qualification type.
Requirement detailed description and constraints:	<p>Description: An online form will request employee qualification type details such as name. The system then validates the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the qualification type has been created.</p> <p>Constraint/s: A duplicate type (based on the employee qualification type id) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create employee qualification type records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.16 Create Employee Qualification Type



2.2.2.17 Search Employee Qualification Type

Functional Requirement	Explanation
Requirement number:	2.17
Requirement name : (use case name)	Search Employee Qualification Type
Requirement short description:	The system retrieves the list of employee qualification types, and populates the filters tab on the employee management tab. When searching for employees, the filters are applied.
Requirement detailed description and constraints:	<p>Description: The system displays a list of employee qualification types and populates a filter with all the qualification types on the employee management tab. It populates the filter with the stored information on the system. This use case will be used by the update employee qualification type and delete employee qualification type use cases.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: A user can only select the qualification type from a filter instead of manually typing the qualification name into a search bar.</p>
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.14 Search Employee Qualification Type



2.2.2.18 Update Employee Qualification Type

Functional Requirement	Explanation
Requirement number:	2.18
Requirement name : (use case name)	Update Employee Qualification Type
Requirement short description:	A user should be able to search for and edit an existing employee qualification type on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Employee Qualification Type use case to retrieve the record, a form will be populated with the existing employee qualification type name so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates the name entered and ensures it is not left empty.</p> <p>Once successful, the system will update the employee qualification type list of filters used.</p> <p>Constraint/s:</p> <p>A duplicate employee qualification type (based on the employee qualification name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to edit an employee qualification type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.18 Update Employee Qualification Type



2.2.2.19 Delete Employee Qualification Type

Functional Requirement	Explanation
Requirement number:	2.19
Requirement name : (use case name)	Delete Employee Qualification Type
Requirement short description:	A user should be able to search for and delete an existing employee qualification type on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Employee Qualification Type use case to retrieve the record, a pop up will display the employee qualification type to delete.</p> <p>The system will ask the user to confirm and display the employee qualification type name. The user can confirm or cancel the delete operation.</p> <p>Once successful, the system will update the employee qualification type list of filters used.</p> <p>Constraint/s: An employee qualification type cannot be deleted if 1 or more employees are associated with the qualification type.</p>
Business rules applicable to this requirement	Users need permission to delete an employee qualification type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.19 Delete Employee Qualification Type



2.2.2.20 View Employee Qualification Type

Functional Requirement	Explanation
Requirement number:	2.20
Requirement name : (use case name)	View Employee Qualification Type
Requirement short description:	The system should be able to present a view to the user so they can access the employee qualification type functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the employee qualification type view to users - and allow them to access the functionality for managing employee qualification types on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access employee qualification type functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.2.20 View Employee Qualification Type



2.2.3 Login Subsystem

2.2.3.1 Login

Functional Requirement	Explanation
Requirement number:	3.1
Requirement name : (use case name)	Login
Requirement short description:	The system must allow users to login to the system using an interface provided.
Requirement detailed description and constraints:	<p>Description:</p> <p>The system will present the user with a login screen, where the user can enter their username and password.</p> <p>The system will verify the entered information with information in the database about the specific user before allowing the user access to the system.</p> <p>Once successful, the user will be directed to the Home screen of the system.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	<p>The user must already exist on the system.</p> <p>The password must be correctly associated with the username in the database to login.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.1 Login



2.2.3.2 Logout

Functional Requirement	Explanation
Requirement number:	3.2
Requirement name : (use case name)	Logout
Requirement short description:	The system should allow users to logout of the system.
Requirement detailed description and constraints:	<p>Description: The system should allow a logged-in user to log out of the system. This should be easily accessible from any screen. The system will prompt the user to confirm their decision to logout with a confirmation message. The user can confirm or cancel the logout operation.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	<p>The user must be able to logout from any screen on the system.</p> <p>The user must be logged into the system in order to log out.</p> <p>Users should be logged out automatically if they close the browser.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.2 Logout



2.2.3.3 Forgot Password

Functional Requirement	Explanation
Requirement number:	3.3
Requirement name : (use case name)	Forgot Password
Requirement short description:	The system should allow all users to reset their password if they forgot their password currently used on the system.
Requirement detailed description and constraints:	<p>Description: The system should allow a user to request a new password should they forget their current one. The system will request the user's email address and verify if the email exists in the system. The system will send a OTP for 2-factor authentication. Once successful, an email will be sent to the user with a link which will redirect them back to the system to enter and confirm a new password.</p> <p>Constraint/s: Previous passwords cannot be read from the system as they are hashed in the database.</p>
Business rules applicable to this requirement	<p>The user should only be allowed to reset their own password.</p> <p>The user should be registered on the system to be able to reset their password.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.3 Forgot Password



2.2.3.4 Change Password

Functional Requirement	Explanation
Requirement number:	3.4
Requirement name : (use case name)	Change Password
Requirement short description:	The system should allow the user to change their current password used on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>The user should be able to update their current password. The system should verify that the user is registered on the system and logged in before the password can be changed. The system will prompt the user to enter their current password and a new password.</p> <p>First the system will verify if the old password is the same as the password stored in the database.</p> <p>Then the new password will be compared to the current active password in the database to see that they aren't the same and to finalise, the new password will be set as the current active password. Once successful, the system will notify the user that the password has been changed.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	<p>The user must be registered on the system and be logged in to be able to change their password.</p> <p>The new password cannot be the same as previous set passwords.</p> <p>The user should be allowed to only change their password.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.4 Change Password



2.2.3.5 Create Title

Functional Requirement	Explanation
Requirement number:	3.5
Requirement name : (use case name)	Create Title
Requirement short description:	A user should be able to create a title.
Requirement detailed description and constraints:	<p>Description: An online form will request title details such as description. The system then validates the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the title has been created.</p> <p>Constraint/s: A duplicate title (based on the title id) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create a title (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.5 Create Title



2.2.3.6 Search Title

Functional Requirement	Explanation
Requirement number:	3.6
Requirement name : (use case name)	Search Title
Requirement short description:	The system retrieves the list of titles, and populates the filters on the administrator tab. When searching for users, the filters are applied.
Requirement detailed description and constraints:	<p>Description: The system displays a list of titles and populates a filter with all the titles on the administrator tab. It populates the filter with the stored information on the system. This use case will be used by the update title and delete title use cases.</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: A user can only select the title from a filter instead of manually typing the title name into a search bar.</p>
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.6 Search Title



2.2.3.7 Update Title

Functional Requirement	Explanation
Requirement number:	3.7
Requirement name : (use case name)	Update Title
Requirement short description:	A user should be able to search for and edit an existing title on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Title use case to retrieve the record, a form will be populated with the existing title description so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates the description entered and ensures it is not left empty. Once successful, the system will update the title list of filters used.</p> <p>Constraint/s: A duplicate title (based on the title description) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to edit a title(associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.7 Update Title



2.2.3.8 Delete Title

Functional Requirement	Explanation
Requirement number:	3.8
Requirement name : (use case name)	Delete Title
Requirement short description:	A user should be able to search for and delete a title's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Title use case to retrieve the record, a confirmation message will display the booking information and ask if it is the correct record to delete. The system will prompt the system administrator to confirm deleting the title. Once successful, the system will notify the user that the booking instance has been deleted.</p> <p>Constraint/s: A title cannot be deleted if it is associated with a user.</p>
Business rules applicable to this requirement	Users need permission to delete a title(associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.8 Delete Title



2.2.3.9 View Title

Functional Requirement	Explanation
Requirement number:	3.9
Requirement name : (use case name)	View Title
Requirement short description:	The system should be able to present a view to the user so they can access the title functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the title view to users - and allow them to access the functionality for managing titles on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access title functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.9 View Title



2.2.4 Sales Subsystem

2.2.4.1 Add to Cart

Functional Requirement	Explanation
Requirement number:	4.1
Requirement name : (use case name)	Add to Cart
Requirement short description:	The system should allow the user to add chosen sales items to their cart in order to purchase them.
Requirement detailed description and constraints:	<p>Description:</p> <p>The system allows for the user to purchase various sales items by adding them to their cart with "Add to cart". The user will go to the sales items page, scroll through the options and select which items they wish to buy.</p> <p>Using search sales items, the stored information on price, photo, name and description field will be displayed. When a client wishes to purchase a particular item, they will select "Add to cart" on the specific item.</p> <p>A pop up message will be displayed to view the cart or continue browsing the shop.</p> <p>For quotation items, no price will be displayed and the user can select "Request quote".</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	The user must be logged into the system to add items to their cart.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.1 Add to Cart



2.2.4.2 View Cart

Functional Requirement	Explanation
Requirement number:	4.2
Requirement name : (use case name)	View Cart
Requirement short description:	The system should allow the user to view the items inside their cart.
Requirement detailed description and constraints:	<p>Description: The system allows the user to view their cart. The system will display either an empty cart if nothing has been added to it, or a list of the items the user chose to add to the cart.</p> <p>The following stored information will be displayed: item name; price; description; and photo as well as the subtotal of all the items in the cart. The user cart should be persistent even if the client logs out.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	The user must be logged into the system to view their cart.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.2 View Cart



2.2.4.3 Edit Cart

Functional Requirement	Explanation
Requirement number:	4.3
Requirement name : (use case name)	Edit Cart
Requirement short description:	The system should allow the user to edit quantities of an item to either add more quantity to the items in the cart or remove items from the cart.
Requirement detailed description and constraints:	<p>Description: The user will have the option to either increase/decrease the quantity of items to the cart or remove items from the cart by editing the quantity of the particular item.</p> <p>Should a user wish to update items they will increase/decrease the quantity while viewing the items in their cart. Should a user wish to remove items they will decrease the quantity to 0.</p> <p>Constraint/s: There is a set limit for the max quantity of items.</p>
Business rules applicable to this requirement	The user must be logged into the system to edit his/her cart.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.3 Edit Cart



2.2.4.4 Checkout

Functional Requirement	Explanation
Requirement number:	4.4
Requirement name : (use case name)	Checkout
Requirement short description:	The system should allow the user to checkout in order to buy the items in their cart.
Requirement detailed description and constraints:	<p>Description: The system will use view cart to display all items selected by the user. The user will request to checkout. This will then take the cart items information and call the make payment use case. The items purchased will be saved in the user's profile tab under my orders.</p> <p>Constraint/s: There has to be items in the cart for the user to checkout.</p>
Business rules applicable to this requirement	The user must be logged into the system to checkout the cart.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.4 Checkout



2.2.4.5 View Shop

Functional Requirement	Explanation
Requirement number:	4.5
Requirement name : (use case name)	View Shop
Requirement short description:	The system should be able to present a view to the user so they can access the shop functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the shop view to users - and allow them to access the functionality for shopping on the system. Constraint/s: None
Business rules applicable to this requirement	None
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.5 View Shop



2.2.4.6 Request for Quote

Functional Requirement	Explanation
Requirement number:	4.6
Requirement name : (use case name)	Request for Quote
Requirement short description:	The system should allow for users to request for a quote on a sale item they are interested in.
Requirement detailed description and constraints:	<p>Description: Clients browse the BSC store and request for a quote on a sale item. The system send an email to both the user and an administrator, about the sale item details. The administrator will then be in personal contact with the user</p> <p>Once successful, the user will receive a personal email from the admin with further information about the sale item</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	Sale Items that has a request for quote option, will not have a price attribute
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.6 Request for quote



2.2.4.7 Request Sale Refund

Functional Requirement	Explanation
Requirement number:	4.7
Requirement name : (use case name)	Request Sale Refund
Requirement short description:	The system should allow for users to search for a receipt and refund a sale they had purchased.
Requirement detailed description and constraints:	<p>Description: Clients may come to the gym store and request a refund on a sale item, provided they have proof of purchase. The system calls Search Receipt use case to find the appropriate record - and generate a refund record associated with the sale.</p> <p>Once successful, the user will be reimbursed with the value of the sale item via Bank reversal.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	Proof of purchase is required in order for the refund to be approved. No refund on sales 30 days or older.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.7 Request Sale Refund



2.2.4.8 View Sale Refund

Functional Requirement	Explanation
Requirement number:	4.8
Requirement name : (use case name)	View Sale Refund
Requirement short description:	The system should be able to present a view to the user so they can access the sale refund functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the sale refund view to users - and allow them to access the functionality for handling sale refunds on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access sale refund functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.3.8 View Sale Refund



2.2.4.9 Create Refund Reason

Functional Requirement	Explanation
Requirement number:	4.9
Requirement name : (use case name)	Create Refund Reason
Requirement short description:	Using an online form on the system, the user should be able to create a new refund reason.
Requirement detailed description and constraints:	<p>Description: An online form which requests refund item details such as description. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the refund reason has been created.</p> <p>Constraint/s: A duplicate refund reason(based on the refund reason ID) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create refund reasons(associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.9 Create Refund Reason



2.2.4.10 Search Refund Reason

Functional Requirement	Explanation
Requirement number:	4.10
Requirement name : (use case name)	Search Refund Reason
Requirement short description:	Using the search bar, the system should be able to search and retrieve refund reason records along with their associated information.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the sale item tab, the user searches refund reasons based on any stored information (refund reason ID and description). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	Users need permission to search refund reasons (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.10 Search Refund Reason



2.2.4.11 Update Refund Reason

Functional Requirement	Explanation
Requirement number:	4.11
Requirement name : (use case name)	Update Refund Reason
Requirement short description:	A user should be able to search for and update a refund's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Refund Reason use case to retrieve the record, a form will be populated with the existing data (refund reason ID and description) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the write-off reason has been updated.</p> <p>Constraint/s: A duplicate refund reason (based on refund reason ID) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update refund reasons (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.11 Update Refund Reason



2.2.4.12 Delete Refund Reason

Functional Requirement	Explanation
Requirement number:	4.12
Requirement name : (use case name)	Delete Refund Reason
Requirement short description:	A user should be able to search for and delete a refund 's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Refund Reason use case to retrieve the record, a confirmation message will display the refund reason information and ask if it is the correct record to delete. Once successful, the system will notify the user that the write-off reason has been deleted.</p> <p>Constraint/s: A refund reason cannot be deleted if they are associated with an ongoing refund.</p>
Business rules applicable to this requirement	Users need permission to delete refund reasons (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.12 Delete Refund Reason



2.2.4.13 View Refund Reason

Functional Requirement	Explanation
Requirement number:	4.13
Requirement name : (use case name)	View Refund Reason
Requirement short description:	The system should be able to present a view to the user so they can access the refund reason functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the refund reason view to users - and allow them to access the functionality for managing refund reasons on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access refund reason functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.4.13 View Refund Reason



2.2.5 Client Subsystem

2.2.5.1 Register Client

Functional Requirement	Explanation
Requirement number:	5.1
Requirement name : (use case name)	Register Client
Requirement short description:	Using an online form on the system, the user should be able to upload all new information relevant to registering a new client.
Requirement detailed description and constraints:	<p>Description:</p> <p>An online form which requests client details such as name, surname, ID number, personal photo, cell phone number, email address and password. It will also have the option for the client to sign an indemnity form should they wish to exercise at BSC.</p> <p>The system then validates all the information entered and ensures nothing is left empty.</p> <p>Once successful, the system will notify the user that the new client has been registered.</p> <p>Constraint/s:</p> <p>A duplicate account (based on the ID number) cannot be created.</p>
Business rules applicable to this requirement	<p>Clients should sign the indemnity form before they can attend classes or sessions with the trainer.</p> <p>A user does not need to sign the indemnity if they wish to only buy products.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.1 Register Client



2.2.5.2 Search Client

Functional Requirement	Explanation
Requirement number:	5.2
Requirement name : (use case name)	Search Client
Requirement short description:	Using the search bar, the system should allow the user to search for a client's details.
Requirement detailed description and constraints:	<p>Description: Using the search bar under Client management tab, the user should be able to search Clients based on any stored information (name, surname, ID number, personal photo, cell phone number, email address)</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search clients (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.2 Search Client



2.2.5.3 Update Client

Functional Requirement	Explanation
Requirement number:	5.3
Requirement name : (use case name)	Update Client
Requirement short description:	A user should be able to search for and update a Client's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Client use case to retrieve the record, a form will be populated with the existing data (name, surname, ID number, personal photo, cell phone number, email address) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. The user will have the option to sign the indemnity form if the client wishes to start gyming at BSC. Once successful, the system will notify the user that the client has been updated.</p> <p>Constraint/s: A duplicate client (based on ID number) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update client information (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.3 Update Client



2.2.5.4 Delete Client

Functional Requirement	Explanation
Requirement number:	5.4
Requirement name : (use case name)	Delete Client
Requirement short description:	A user should be able to search for and delete a client's existing information on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Client use case to retrieve the record, a confirmation message will display the client information and ask if it is the correct record to delete.</p> <p>In line with the POPI act, if a client is deleted from the system - all traces of their information needs to be removed as well. In order to ensure this, an email notification will be sent to the system administrator confirming the delete and reminding them to audit the backups and remove inactive clients.</p> <p>Once successful, the system will notify the user that the client has been deleted.</p> <p>Constraint/s:</p> <p>A client cannot be deleted if they have outstanding payments and/or active bookings.</p>
Business rules applicable to this requirement	Users need permission to delete a client (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.4 Delete Client



2.2.5.5 Manage Client Profile

Functional Requirement	Explanation
Requirement number:	5.5
Requirement name : (use case name)	Manage Client Profile
Requirement short description:	The system should be able to present a view to the user so they can access the client profile functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the client profile view to users - and allow them to access the functionality for managing their personal details on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access client profile functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.5 Manage Client Profile



2.2.5.6 View Clients

Functional Requirement	Explanation
Requirement number:	5.6
Requirement name : (use case name)	View Clients
Requirement short description:	The system should be able to present a view to the administrator so they can access the users functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the clients view to administrators- and allow them to access the functionality for managing all the clients</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access title functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.6 View Clients



2.2.5.7 Record Measurements

Functional Requirement	Explanation
Requirement number:	5.7
Requirement name : (use case name)	Record Measurements
Requirement short description:	Clients will have the option to record their measurements.
Requirement detailed description and constraints:	<p>Description: Clients will track their measurements by recording them in the system whenever they want to. The measurements they can record are height and weight which will be used to calculate the member's BMI. Once successful, the system will notify the user that the measurements have been captured.</p> <p>Constraints: None</p>
Business rules applicable to this requirement	The user must be logged onto the system. Users need permission to record measurements (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.7 Record Measurements



2.2.5.8 Generate Client Performance Report

Functional Requirement	Explanation
Requirement number:	5.8
Requirement name : (use case name)	Generate Client Performance Report
Requirement short description:	Clients will generate a report to view their progress.
Requirement detailed description and constraints:	<p>Description:</p> <p>Clients can generate a report that will show basic information about their progress such as changes in measurements over a period of time and their weight progress on a line graph.</p> <p>The report will be generated into a pdf format that the client can download.</p> <p>Constraints:</p> <p>None.</p>
Business rules applicable to this requirement	<p>The user must be logged onto the system.</p> <p>Users need permission to record measurements (associated with the relevant user role group).</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.8 Generate Client Performance Report



2.2.5.9 View Measurements

Functional Requirement	Explanation
Requirement number:	5.9
Requirement name : (use case name)	View Measurements
Requirement short description:	The system should be able to present a view to the client so they can access the measurements functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the measurements view to clients - and allow them to access the functionality for managing their measurements data on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access measurements functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.9 View Measurements



2.2.5.10 Search Booking

Functional Requirement	Explanation
Requirement number:	5.10
Requirement name : (use case name)	Search Booking
Requirement short description:	Using the search bar, the user should be able to search and retrieve booking records along with their associated details.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the bookings tab, the user should be able to search booking instances based on the following stored information (booking ID, booking type, booking trainer, date and venue). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	None.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.10 Search Booking



2.2.5.11 Cancel Booking

Functional Requirement	Explanation
Requirement number:	5.11
Requirement name : (use case name)	Delete Booking
Requirement short description:	A user should be able to search for and delete a booking's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Booking use case to retrieve the record, a confirmation message will display the booking information and ask if it is the correct record to delete. The system will prompt the system administrator to confirm deleting the booking. Once successful, the system will notify the user that the booking instance has been deleted.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	<p>Users need permission to delete a booking (associated with the relevant user role group).</p> <p>Should a user wish to delete a booking and it is 24 hours before the booking is to take place then a cancellation fee will have to be paid.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.11 Delete Booking



2.2.5.12 View My Booking Calendar

Functional Requirement	Explanation
Requirement number:	5.12
Requirement name : (use case name)	View My Booking Calendar
Requirement short description:	Members will view their personal bookings based on their booked sessions.
Requirement detailed description and constraints:	Description: Members will have access to a bookings page where they can view any sessions they've booked. They can search, update or delete a booking/s. Constraints: None
Business rules applicable to this requirement	The user must be logged onto the system. Users need permission to view their schedule (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.5.12 View My Booking Calendar



2.2.6 Payments Subsystem

2.2.6.1 Make Payment

Functional Requirement	Explanation
Requirement number:	6.1
Requirement name : (use case name)	Make Payment
Requirement short description:	The system must allow users to make payments for bookings or for products bought
Requirement detailed description and constraints:	<p>Description:</p> <p>Clients will be given the option to pay immediately via cash or card when the “make payment” button is clicked.</p> <p>If they choose to pay with a card the system will load the payment screen redirecting them to a payment gate to make a payment via the system, where bank info will be prompt.</p> <p>Otherwise, the administrator records the amount for cash payment received.</p> <p>Once successful the user will be notified of the successful payment and a sales receipt will be generated for the user to view.</p> <p>Constraints:</p> <p>None</p>
Business rules applicable to this requirement	The users must be logged onto the system to make payment
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.6.1 Make Payment



2.2.6.2 Search Receipt

Functional Requirement	Explanation
Requirement number:	6.2
Requirement name : (use case name)	Search Receipt
Requirement short description:	Using the search bar, the system should allow the user to search for a receipt.
Requirement detailed description and constraints:	<p>Description: Using the search bar under payment management tab, the user should be able to search for a sales receipt based on any stored information (Date, payment type) Once successful, the retrieved payment record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	<p>Users need permission to search sales receipts (associated with the relevant user role group).</p> <p>Users can only search for sales receipts associated with their account</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	Medium

Table 2.2.6.2 Search Receipt



2.2.6.3 View Payments

Functional Requirement	Explanation
Requirement number:	6.3
Requirement name : (use case name)	View Payments
Requirement short description:	The system should be able to present a view to the user so they can access the search receipts functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the payment view to users - and allow them to access the functionality for searching receipts on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access payment functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.6.3 View Payments



2.2.7 Booking Subsystem

2.2.7.1 Create Schedule

Functional Requirement	Explanation
Requirement number:	7.1
Requirement name : (use case name)	Create Schedule
Requirement short description:	Using an online form, the user should be able to input the information of the schedule item that they wish to create.
Requirement detailed description and constraints:	<p>Description: An online form which requests the schedule details such as venue, booking type, lesson plan (optional) and date session. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user of the successful creation of the schedule item.</p> <p>Constraints: The updated schedule must be saved to the database but the website schedule must only be updated in View/Publish schedule</p>
Business rules applicable to this requirement	Users need permission to create a schedule record (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.1 Create Schedule



2.2.7.2 Search Schedule

Functional Requirement	Explanation
Requirement number:	7.2
Requirement name : (use case name)	Search Schedule
Requirement short description:	Using the search bar, the user should be able to search and retrieve schedule records along with their associated details.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the scheduling tab, the user should be able to search schedule records on the following stored information (Schedule ID, venue, booking type, lesson plan, date session). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	None.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.2 Search Schedule



2.2.7.3 Update Schedule

Functional Requirement	Explanation
Requirement number:	7.3
Requirement name : (use case name)	Update Schedule
Requirement short description:	A user should be able to search for and update an existing schedule record on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Schedule use case to retrieve the record, a form will be populated with the existing data (venue, booking type, lesson plan and date session) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the schedule has been updated.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	Users need permission to update schedule records (associated with the right user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.3 Update Schedule



2.2.7.4 Delete Schedule

Functional Requirement	Explanation
Requirement number:	7.4
Requirement name : (use case name)	Delete Schedule
Requirement short description:	A user should be able to search for and delete an existing schedule record on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Schedule use case to retrieve the record, a confirmation message will display the schedule information and ask if it is the correct record to delete.</p> <p>The system will prompt the user to confirm deleting the booking instance.</p> <p>Once successful, the system will notify the user that the schedule record has been deleted.</p> <p>Constraint/s:</p> <p>If there are any bookings associated with a schedule record, the system needs to notify the user and offer a refund or rebooking.</p>
Business rules applicable to this requirement	Users need permission to delete schedule records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.4 Delete Schedule



2.2.7.5 View Schedule

Functional Requirement	Explanation
Requirement number:	7.5
Requirement name : (use case name)	View Schedule
Requirement short description:	The system should be able to present a view to the user so they can access the schedule functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the schedule view to users - and allow them to access the functionality for managing the schedule on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access schedule functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.5 View Schedule



2.2.7.6 Create Booking Type

Functional Requirement	Explanation
Requirement number:	7.6
Requirement name : (use case name)	Create Booking Type
Requirement short description:	Using an online form, the user should be able to input the information of the booking type that they wish to create.
Requirement detailed description and constraints:	<p>Description: An online form which requests the booking type details such as name, capacity and description. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user of the successful creation of the booking type.</p> <p>Constraints: None.</p>
Business rules applicable to this requirement	Users need permission to create a booking type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.6 Create Booking Type



2.2.7.7 Search Booking Type

Functional Requirement	Explanation
Requirement number:	7.7
Requirement name : (use case name)	Search Booking Type
Requirement short description:	Using the search bar, the user should be able to search and retrieve booking type records along with their associated details.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the bookings tab, the user should be able to search booking types based on the following stored information (booking type ID and name). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	None.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.7 Search Booking Type



2.2.7.8 Update Booking Type

Functional Requirement	Explanation
Requirement number:	7.8
Requirement name : (use case name)	Update Booking Type
Requirement short description:	A user should be able to search for and update an existing booking type on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Booking Type use case to retrieve the record, a form will be populated with the existing data (name, capacity, description) so the user can see what information they want to update without removing the existing information.</p> <p>The system then validates all the information entered and ensures nothing is left empty.</p> <p>Once successful, the system will notify the user that the booking type has been updated.</p> <p>Constraint/s:</p> <p>None.</p>
Business rules applicable to this requirement	Users need permission to update a booking type (associated with the right user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.8 Update Booking Type



2.2.7.9 Delete Booking Type

Functional Requirement	Explanation
Requirement number:	7.9
Requirement name : (use case name)	Delete Booking Type
Requirement short description:	A user should be able to search for and delete a booking type's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Booking Type use case to retrieve the record, a confirmation message will display the booking instance information and ask if it is the correct record to delete. The system will prompt the user to confirm deleting the booking instance. Once successful, the system will notify the user that the booking type has been deleted.</p> <p>Constraint/s: A booking type cannot be deleted if they are associated with a booking.</p>
Business rules applicable to this requirement	Users need permission to delete a booking type (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.9 Delete Booking Type



2.2.7.10 View Booking Types

Functional Requirement	Explanation
Requirement number:	7.10
Requirement name : (use case name)	View Booking Types
Requirement short description:	The system should be able to present a view to the user so they can access the booking type functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the booking type view to users - and allow them to access the functionality for managing booking types on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access booking type functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.10 View Booking Types



2.2.7.11 Track Attendance

Functional Requirement	Explanation
Requirement number:	7.11
Requirement name : (use case name)	Track Attendance
Requirement short description:	The system should allow the user to track attendance of clients attending each booking instance.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Booking use case to retrieve the record, a form will be populated with the existing data (start time, end time, attendees and booking date) so the user can see who has booked for the booking instance. The user will then select which clients have attended the booking instance and confirm. The system then validates all the information entered and ensures nothing is left empty. The system will then capture which clients attended the booking instance. Once successful, the system will notify the user.</p> <p>Constraint/s:</p> <p>None.</p>
Business rules applicable to this requirement	Users need permission to track attendance (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.11 Track Attendance



2.2.7.12 View Attendance

Functional Requirement	Explanation
Requirement number:	7.12
Requirement name : (use case name)	View Attendance
Requirement short description:	The system should be able to present a view to the user so they can access the attendance functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the attendance view to users - and allow them to access the functionality for managing attendance on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access attendance functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.7.12 View Attendance



2.2.8 Lesson Plan Subsystem

2.2.8.1 Create Lesson

Functional Requirement	Explanation
Requirement number:	8.1
Requirement name : (use case name)	Create Lesson
Requirement short description:	Using an online form on the system, the user should be able to enter new lesson information
Requirement detailed description and constraints:	<p>Description: An online form which requests lesson plan details such as name, description and desired exercises. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the new lesson plan has been created.</p> <p>Constraint/s: A duplicate plan (based on the lesson name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create lesson plans (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.1 Create Lesson



2.2.8.2 Search Lesson

Functional Requirement	Explanation
Requirement number:	8.2
Requirement name : (use case name)	Search Lesson
Requirement short description:	Using the search bar, the system should be able to search and retrieve lesson plans.
*Requirement detailed description and constraints:	<p>Description: Using the search bar under lesson management tab, the user should be able to search lesson plans based on any stored information like name and description</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search lesson plans (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.2 Search Lesson



2.2.8.3 Update Lesson

Functional Requirement	Explanation
Requirement number:	8.3
Requirement name : (use case name)	Update Lesson
Requirement short description:	A user should be able to search for and update a lesson plan's information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Lesson use case to retrieve the record, a form will be populated with the existing data (Lesson_Plan_ID and Lesson_ID) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the lesson plan has been updated.</p> <p>Constraint/s: A duplicate lesson (based on lesson name) cannot be updated to one that already exists.</p>
Business rules applicable to this requirement	Users need permission to update information regarding a lesson (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.3 Update Lesson



2.2.8.4 Delete Lesson

Functional Requirement	Explanation
Requirement number:	8.4
Requirement name : (use case name)	Delete Lesson
Requirement short description:	A user should be able to search for and delete existing information regarding a lesson plan on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Lesson use case to retrieve the record, a confirmation message will display the lesson plan information and ask if it is the correct record to delete. The user can confirm or deny the request. Once successful, the system will notify the user that the lesson plan has been deleted.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to delete a lesson (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.4 Delete Lesson



2.2.8.5 View Lesson

Functional Requirement	Explanation
Requirement number:	8.5
Requirement name : (use case name)	View Lesson
Requirement short description:	The system should be able to present a view to the user so they can access the lesson functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the lesson view to users - and allow them to access the functionality for managing lesson plans on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access lesson functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.5 View Lesson



2.2.8.6 Create Exercise

Functional Requirement	Explanation
Requirement number:	8.6
Requirement name : (use case name)	Create Exercise
Requirement short description:	Using an online form on the system, the user should be able to enter new exercise information
Requirement detailed description and constraints:	<p>Description: An online form which requests the exercises details such as name and description. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the new exercise has been created.</p> <p>Constraint/s: A duplicate exercise (based on the exercise name) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create exercises (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.6 Create Exercise



2.2.8.7 Search Exercise

Functional Requirement	Explanation
Requirement number:	8.7
Requirement name : (use case name)	Search Exercise
Requirement short description:	Using the search bar, the system should be able to search and retrieve exercise records.
Requirement detailed description and constraints:	<p>Description: Using the search bar under lesson management tab, the user should be able to search exercises based on any stored information (exercise ID, name and description) Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search exercises (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.7 Search Exercise



2.2.8.8 Update Exercise

Functional Requirement	Explanation
Requirement number:	8.8
Requirement name : (use case name)	Update Exercise
Requirement short description:	A user should be able to search for and update an exercise record's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Exercise use case to retrieve the record, a form will be populated with the existing data (name, description, health benefits and muscles worked) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the exercise information has been updated.</p> <p>Constraint/s: An exercise name cannot be updated to one that already exists.</p>
Business rules applicable to this requirement	Users need permission to update information regarding an exercise (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.8 Update Exercise



2.2.8.9 Delete Exercise

Functional Requirement	Explanation
Requirement number:	8.9
Requirement name : (use case name)	Delete Exercise
Requirement short description:	A user should be able to search for and delete existing information regarding an exercise on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Exercise use case to retrieve the record, a confirmation message will display the exercise information and ask if it is the correct record to delete.</p> <p>Once successful, the system will notify the user that the exercise has been deleted.</p> <p>.</p> <p>Constraint/s:</p> <p>An exercise cannot be deleted if it is associated with an active lesson plan.</p>
Business rules applicable to this requirement	Users need permission to delete an exercise record (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.9 Delete Exercise



2.2.8.10 View Exercise

Functional Requirement	Explanation
Requirement number:	8.10
Requirement name : (use case name)	View Exercise
Requirement short description:	The system should be able to present a view to the user so they can access the exercise functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the exercise view to users - and allow them to access the functionality for managing exercises on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access exercise functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.10 View Exercise



2.2.8.11 Create Exercise Category

Functional Requirement	Explanation
Requirement number:	8.11
Requirement name : (use case name)	Create Exercise Category
Requirement short description:	Using an online form on the system, the user should be able to enter new exercise category information
Requirement detailed description and constraints:	<p>Description: An online form which requests exercise category details such as name and description The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the new exercise category has been created.</p> <p>Constraint/s: A duplicate category (based on the exercise category ID) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create exercise categories (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.11 Create Exercise Category



2.2.8.12 Search Exercise Category

Functional Requirement	Explanation
Requirement number:	8.12
Requirement name : (use case name)	Search Exercise Category
Requirement short description:	Using the search bar, the system should be able to search and retrieve exercise categories.
Requirement detailed description and constraints:	<p>Description: Using the search bar under lesson management tab, the user should be able to search exercise categories based on any stored information (exercise category ID, name and description)</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search exercise categories (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.12 Search Exercise Category



2.2.8.13 Update Exercise Category

Functional Requirement	Explanation
Requirement number:	8.13
Requirement name : (use case name)	Update Exercise Category
Requirement short description:	A user should be able to search for and update exercise categories' existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Exercise Category use case to retrieve the record, a form will be populated with the existing data (name and description) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the exercise category has been updated.</p> <p>Constraint/s: An Exercise Category name cannot be updated to one that already exists.</p>
Business rules applicable to this requirement	Users need permission to update information regarding an exercise category (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.13 Update Exercise Category



2.2.8.14 Delete Exercise Category

Functional Requirement	Explanation
Requirement number:	8.14
Requirement name : (use case name)	Delete Exercise Category
Requirement short description:	A user should be able to search for and delete existing information regarding an exercise category on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Exercise Category use case to retrieve the record, a confirmation message will display the exercise category information and ask if it is the correct record to delete. Once successful, the system will notify the user that the exercise category has been deleted.</p> <p>Constraint/s: An exercise category cannot be deleted if it is associated with an exercise.</p>
Business rules applicable to this requirement	Users need permission to delete an exercise category(associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.14 Delete Exercise Category



2.2.8.15 View Exercise Category

Functional Requirement	Explanation
Requirement number:	8.15
Requirement name : (use case name)	View Exercise Category
Requirement short description:	The system should be able to present a view to the user so they can access the exercise category functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the employee view to users - and allow them to access the functionality for managing employees on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access employee functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.8.15 View Exercise Category



2.2.9 Report Subsystem

2.2.9.1 Generate Sale Item report

Functional Requirement	Explanation
Requirement number:	9.1
Requirement name : (use case name)	Generate Sale Item Report
Requirement short description:	The system should generate a sales report for any specified date range. Time will be an actor that automatically generates this report on a monthly basis for specific users. A user can generate a sales report on demand.
Requirement detailed description and constraints:	<p>Description:</p> <p>When the user wishes to generate the sales report, a form will be presented asking the user to specify the date range, and then specify summarised for all sales categories or detailed information for specific sales categories.</p> <p>The system will then dynamically produce a detailed report with category control breaks or summarised report with date range control breaks.</p> <p>Time will automatically send a monthly email to specific users with summarised information of all sales over the past month.</p> <p>Constraint/s:</p> <p>None.</p>
Business rules applicable to this requirement	<p>Users need permission to generate sales reports (associated with the relevant user role group).</p> <p>The automatically generated report should be emailed to the owner.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.9.1 Generate Sale Report



2.2.9.2 Generate Client Report

Functional Requirement	Explanation
Requirement number:	9.2
Requirement name : (use case name)	Generate Client Report
Requirement short description:	The system should generate a client report for clients. A user can generate the client report on demand.
Requirement detailed description and constraints:	Description: When the user wishes to generate the client report, the system will then dynamically produce a report with a summarised number of clients per age group.. Constraint/s: None.
Business rules applicable to this requirement	Users need permission to generate the client report (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.9.2 Generate Client Report



2.2.9.3 Generate Booking Report

Functional Requirement	Explanation
Requirement number:	9.3
Requirement name : (use case name)	Generate Group Session Report
Requirement short description:	The system should generate a group session report for any number of selected group sessions, and for any date range entered. Time will be an actor that automatically generates this report on a monthly basis for all group sessions. A user can generate the group session report on demand.
Requirement detailed description and constraints:	<p>Description: When the user wishes to generate the group session report, a form will be presented asking the user to select which group sessions (populated with all group sessions currently on the system) and then specify summarised or detailed information. The system will then dynamically produce a detailed or summarised report with control breaks for date ranges.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	<p>Users need permission to generate the group session report (associated with the relevant user role group).</p> <p>The automatically generated report should be emailed to the owner.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	Medium

Table 2.2.9.3 Generate Group Session Report



2.2.9.4 Generate Trainer Report

Functional Requirement	Explanation
Requirement number:	9.4
Requirement name : (use case name)	Generate Trainer Report
Requirement short description:	The system should generate a trainer report for any number of selected trainers, and for any date range entered. A user can request to generate the trainer report.
Requirement detailed description and constraints:	<p>Description: When the user wishes to generate the trainer report, a form will be presented asking the user to select which trainers (populated with all trainers currently on the system) and then specify the date range for which they would like to aggregate the data. The system will then dynamically produce a report with summarised control breaks for each trainer.</p> <p>Constraint/s: Personal trainer information should not be displayed due to the POPI act.</p>
Business rules applicable to this requirement	<p>Users need permission to generate the trainer report (associated with the relevant user role group).</p> <p>The automatically generated report should be emailed to the owner.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	Medium

Table 2.2.9.4 Generate Trainer Report



2.2.9.5 Generate Income Report

Functional Requirement	Explanation
Requirement number:	9.5
Requirement name : (use case name)	Generate Income Report
Requirement short description:	The system should generate an income report for the month, the year, every specified amount of months or any date range entered.
Requirement detailed description and constraints:	<p>Description:</p> <p>The income report will be generated on a monthly basis, but if the user wishes to view the income report immediately, the user can click on the “generate income report” button. The system prompts the user to select the date intervals for the income report to be generated. The system will validate the date intervals specified. Once successful an income report will be generated for the period specified by the user, and the total income for the period will display at the bottom. Time will automatically send a monthly email to specific users with the income report for the past month.</p> <p>Constraint/s:</p> <p>Income values should be kept private.</p>
Business rules applicable to this requirement	<p>Users need permission to generate the income report (associated with the relevant user role group).</p> <p>The automatically generated report should be emailed to the owner.</p>
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	Medium

Table 2.2.9.5 Generate Income Report



2.2.10 Inventory Subsystem

2.2.10.1 Write-off Stock

Functional Requirement	Explanation
Requirement number:	10.1
Requirement name : (use case name)	Write-off stock
Requirement short description:	Using the Sales Management Tab, the user should be able to search and retrieve sale item records along with their associated details.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Sale Item use case, the system will display the sale item information and ask if it is the correct record to write off.</p> <p>The system will prompt the user to confirm writing off the sale item..</p> <p>Once successful, the system will notify the user that the stock has been written off.</p> <p>Constraint/s:</p> <p>None</p>
Business rules applicable to this requirement	Users need permission to write off stock (associated with the relevant user role group). Any write off must be associated with a write-off reason.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.1 Write-off Stock



2.2.10.2 View Orders Received

Functional Requirement	Explanation
Requirement number:	10.2
Requirement name : (use case name)	View Orders Received
Requirement short description:	The system should be able to present a view to the user so they can access the orders received and receive stock functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the orders received view to users - and allow them to access the functionality for receiving stock on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access stock functionality on the system (associated with the relevant user role group). The orders are placed externally from the system.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.2 View Orders Received



2.2.10.3 Create Write-off reason

Functional Requirement	Explanation
Requirement number:	10.3
Requirement name : (use case name)	Create Write-off reason
Requirement short description:	Using an online form on the system, the user should be able to create a new write-off reason.
Requirement detailed description and constraints:	<p>Description: An online form which requests write-off reason details such as description. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the write-off reason has been created.</p> <p>Constraint/s: A duplicate write-off reason (based on the write-off reason description) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create a write-off reason (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.3 Create Write-off reason



2.2.10.4 Search Write-off Reason

Functional Requirement	Explanation
Requirement number:	10.4
Requirement name : (use case name)	Search Write-off reason
Requirement short description:	Using the search bar, the system should be able to search and retrieve write-off reason records along with their associated information.
Requirement detailed description and constraints:	<p>Description: Using the search bar under the sale item tab, the user searches write-off reasons based on any stored information (write-off reason ID and description). Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None.</p>
Business rules applicable to this requirement	Users need permission to search write-off reasons (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.4 Search Write-off reason



2.2.10.5 Update Write-off Reason

Functional Requirement	Explanation
Requirement number:	10.5
Requirement name : (use case name)	Update Write-off Reason
Requirement short description:	A user should be able to search for and update a write-off's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Write-off Reason use case to retrieve the record, a form will be populated with the existing data (write-off reason ID and description) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the write-off reason has been updated.</p> <p>Constraint/s: A duplicate write-off reason (based on write-off reason description) cannot be defined.</p>
Business rules applicable to this requirement	Users need permission to update write-off reasons (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.5 Update Write-off Reason



2.2.10.6 Delete Write-off Reason

Functional Requirement	Explanation
Requirement number:	10.6
Requirement name : (use case name)	Delete Write-off Reason
Requirement short description:	A user should be able to search for and delete a write-off's existing record on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Write-off Reason use case to retrieve the record, a confirmation message will display the write-off reason information and ask if it is the correct record to delete. Once successful, the system will notify the user that the write-off reason has been deleted.</p> <p>Constraint/s: A write-off reason cannot be deleted if they are associated with a write-off record.</p>
Business rules applicable to this requirement	Users need permission to delete write-off reason records (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.6 Delete Write-off Reason



2.2.10.7 View Write-off Reason

Functional Requirement	Explanation
Requirement number:	10.7
Requirement name : (use case name)	View Write-off Reason
Requirement short description:	The system should be able to present a view to the user so they can access the write-off reason functionality.
Requirement detailed description and constraints:	<p>Description: The system should be able to generate and present the write-off reason view to users - and allow them to access the functionality for managing write-off reasons on the system.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to access write-off reason functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.7 View Write-off Reason



2.2.10.8 Receive Stock

Functional Requirement	Explanation
Requirement number:	10.8
Requirement name : (use case name)	Receive Stock
Requirement short description:	Using an online form, the system will display all the suppliers, and ask the user to select the supplier and sale items and their relative quantities in order to receive stock for an external order that has been placed.
Requirement detailed description and constraints:	<p>Using an online form, the system will display all the suppliers and sale items. The user will select a supplier and sale items for the order. Once the user has selected which sale items, they will specify the quantity received for each item. The user can cancel or save their stock receiving information.</p> <p>Once successful, the system will add the quantity specified to the sale item quantity on hand.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none">- An external supplier invoice is used to capture the stock received information. The order is generated by the supplier and loaded into the system for record keeping.
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.10.8 Receive Stock



2.2.11 Supplier Subsystem

2.2.11.1 Add Supplier

Functional Requirement	Explanation
Requirement number:	11.1
Requirement name : (use case name)	Add Supplier
Requirement short description:	Using an online form on the system, the user should be able to upload information about a new supplier.
Requirement detailed description and constraints:	<p>Description: An online form which requests supplier details such as name, email address, cell phone number and address. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the supplier has been created.</p> <p>Constraint/s: A duplicate account (based on the email address and cell phone number) cannot be created.</p>
Business rules applicable to this requirement	Users need permission to create a supplier (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.11.1 Add Supplier



2.2.11.2 Search Supplier

Functional Requirement	Explanation
Requirement number:	11.2
Requirement name : (use case name)	Search Supplier
Requirement short description:	Using the search bar, the system should be able to search and retrieve supplier records.
Requirement detailed description and constraints:	<p>Description: Using the search bar under supplier management tab, the user should be able to search suppliers based on any stored information (name, cell phone number, address and email address)</p> <p>Once successful, the retrieved record/s information will be displayed.</p> <p>Constraint/s: None</p>
Business rules applicable to this requirement	Users need permission to search for supplier records (associated with the relevant user role group)
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.11.2 Search Supplier



2.2.11.3 Update Supplier

Functional Requirement	Explanation
Requirement number:	11.3
Requirement name : (use case name)	Update Supplier
Requirement short description:	A user should be able to search for and update a supplier's existing information on the system.
Requirement detailed description and constraints:	<p>Description: Using the Search Supplier use case to retrieve the record, a form will be populated with the existing data (name, email address, cell phone number and address) so the user can see what information they want to update without removing the existing information. The system then validates all the information entered and ensures nothing is left empty. Once successful, the system will notify the user that the supplier has been updated.</p> <p>Constraint/s: An email address cannot be updated to one that already exists.</p>
Business rules applicable to this requirement	Users need permission to update supplier information (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.11.3 Update Supplier



2.2.11.4 Delete Supplier

Functional Requirement	Explanation
Requirement number:	11.4
Requirement name : (use case name)	Delete Supplier
Requirement short description:	A user should be able to search for and delete an supplier's existing information on the system.
Requirement detailed description and constraints:	<p>Description:</p> <p>Using the Search Supplier use case to retrieve the record, a confirmation message will display the employee information and ask if it is the correct record to delete.</p> <p>If a supplier is deleted from the system - all traces of their information needs to be removed as well.</p> <p>Once successful, the system will notify the user that the supplier has been written deleted.</p> <p>Constraint/s:</p>
Business rules applicable to this requirement	Users need permission to delete a supplier record (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.11.4 Delete Supplier



2.2.11.5 View Supplier

Functional Requirement	Explanation
Requirement number:	11.5
Requirement name : (use case name)	View Supplier
Requirement short description:	The system should be able to present a view to the user so they can access the supplier functionality.
Requirement detailed description and constraints:	Description: The system should be able to generate and present the supplier view to users - and allow them to access the functionality for managing suppliers on the system. Constraint/s: None
Business rules applicable to this requirement	Users need permission to access supplier functionality on the system (associated with the relevant user role group).
Revision date & Revision number:	2022-09-02 Version 5.0
Criticality/Priority:	High

Table 2.2.11.5 View Supplier



3. CLIENT SIGN-OFF

I, Neil Bester, confirm that I have received and reviewed **Strengthening Solution's** completed requirements list.

.....
Neil Bester
Bester Strength and Conditioning Owner

2022/09/30
Date

4. COURSE COORDINATOR SIGN-OFF

I, Professor Hattingh, confirm that I have received and reviewed **Strengthening Solution's** completed requirements list.

Date
30/09/2022

.....
Prof Hattingh



5. DOCUMENT CONCLUSION

In conclusion, the above section has mapped out the functional requirements of the H.I.I.T system. It has explored the processes that will be involved with the new system and how each process will be completed.