



OUR TEAM:

Ismaeel Rahaman

u20427906

u20427906@tuks.co.za

065 814 5362

Nawailah Tarmohamed

u21437972

u21437972@tuks.co.za

067 319 1637

Deshlan Pillay

u21481084

u21481084@tuks.co.za

067 127 6684

Sameer Ghela

u21445142

u21445142@tuks.co.za

066 239 5477

Sashin Gounden

u20487062

u20487062@tuks.co.za

072 520 1968



From left to right: Sameer Ghela, Ismaeel Rahaman (Group leader), Nawailah Tarmohamed, Sashin Gounden, and Deshlan Pillay.

Team 7: Omnia

Project: Water Resort
administration system

System Name:
Hydrotech

Iteration 7 – Final Requirements List.

This document contains the final functional requirements of the HydroTech system for Platinum Island Resort. The functional requirements contained in this document aims to provide an overview of the project's current state, a complete list of use cases, a more in-depth list of said requirements, and concludes with sign-off by the client and the team.



Table of Contents

1. DOCUMENT INTRODUCTION	3
2. FUNCTIONAL REQUIREMENTS LIST AND TABLES	4
2.1. FINAL REQUIREMENTS LIST	4
2.1.1. User subsystem	4
2.1.2. Client subsystem	4
2.1.3. Accommodation subsystem	4
2.1.4. Ticketing subsystem	4
2.1.5. Event subsystem	4
2.1.6. Administration subsystem	4
2.1.7. Inventory subsystem	5
2.1.8. Report subsystem	6
2.2. FUNCTIONAL REQUIREMENTS DESCRIPTION AND DETAILS	7
2.2.1. User subsystem	7
2.2.2. Client subsystem	10
2.2.3. Accommodation subsystem	13
2.2.4. Ticketing subsystem	18
2.2.5. Event subsystem	20
2.2.6. Administration subsystem	23
2.2.7. Inventory subsystem	37
2.2.8. Report subsystem	47
3. DOCUMENT CONCLUSION	53
4. TEAM SIGN-OFF	54
5. CLIENT SIGN-OFF	56



1. Document introduction

Iteration 7 focuses on the details of the overall functionality and the operations of the system. This deliverable outlines the functional requirements list aimed to create an understanding of what the framework of functionality will be acted on, followed by the functional requirement description and detail based on each function require to ensure that clarity is provided, and all aspects of the system are taken into consideration.



2. Functional Requirements List And Tables

2.1. Final requirements list

2.1.1. User subsystem

1. Login.
2. Log Out.
3. Forgot Password.
4. Update Password.
5. Update Email Address.

2.1.2. Client subsystem

1. Register Client.
2. View Profile.
3. Update Client Details.
4. View Resort.
5. Add Review.
6. View client Homepage.

2.1.3. Accommodation subsystem

1. Filter Room Booking.
2. Make Room Booking.
3. Cancel Room Booking.
4. Send Accommodation Booking Reminder.
5. View room type.
6. Add room type.
7. Update room type.
8. Delete room type.

2.1.4. Ticketing subsystem

1. View ticket bookings.
2. Make ticket booking.
3. View ticket prices.
4. Update ticket price.

2.1.5. Event subsystem

1. View Event Booking.
2. Make Event Booking.
3. Cancel Event Booking.
4. Send Event Booking Reminder.
5. View event price.
6. Update event price.

2.1.6. Administration subsystem

1. View Employee.
2. Add Employee.



3. Update Employee.
4. Delete Employee.
5. View employee type.
6. Add Employee Type.
7. Update Employee Type.
8. Delete Employee Type.
9. View Accommodations.
10. Room Check-In.
11. Room Check-Out.
12. View VAT.
13. Create Vat.
14. Update Vat.
15. View Audit Log.
16. View Reminder Timer.
17. Update Reminder Timer.
18. View Day Visits.
19. Check-In Ticket.
20. View Events.
21. Event Check-In.
22. Event Check-Out.
23. View Dashboard
24. View Account.
25. View refunds.
26. Refund room booking.
27. Refund event booking.

2.1.7. Inventory subsystem

1. View Item.
2. Add Item.
3. Update Item.
4. Delete Item.
5. View Item Type
6. Add Item Type.
7. Update Item Type.
8. Delete Item Type.
9. View Item Category.
10. Add Item Category.
11. Update Item Category.
12. Delete Item Category.
13. View Supplier.
14. Add Supplier.
15. Update Supplier
16. Delete Supplier.
17. View Supplier Order.
18. Place Supplier Order.
19. Cancel Supplier Order.
20. Receive Supplier Order.



2.1.8. Report subsystem

1. View Reports.
2. Generate peak season day visit summary.
3. Generate Accommodation summary report.
4. Generate room rating report.
5. Generate Customer demographic report.
6. Generate event type report.
7. Generate booking type remuneration report.
8. Generate Supplier order report.
9. Generate employee list.
10. Generate available rooms list.
11. Generate supplier list.



2.2. Functional requirements description and details.

2.2.1. User subsystem

Functional Requirement	Explanation
Requirement number	1.1
Requirement name (Use case name)	Login
Requirement short description	The system should allow the user to log on to the system.
Requirement detailed description and constraints	<p>Description: The system requires that the user will need to enter their email address/username as well as their password in the respective fields. The system will validate whether the credentials are valid or not by checking the systems database.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be registered on the system to be able to log in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	1.2
Requirement name (Use case name)	Log Out
Requirement short description	The system should allow the user to log out of the system.
Requirement detailed description and constraints	<p>Description: The user initiates this use case by requesting to log out of the system. The system will respond by redirecting the user from the current page to the log in page.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be logged onto the system to be able to log out. The user must be able to log out from the page they are working on.
Revision date and revision number	2023/03/19 Version 2.0



Priority	High
Functional Requirement	Explanation
Requirement number	1.3
Requirement name (Use case name)	Forgot Password
Requirement short description	The system should allow the user to reset their password if they forgot their password
Requirement detailed description and constraints	Description: The system should allow the user to request a new password should they forget their current one. The system will request the users email address or username which will be checked against the database of the system and an email OTP will be sent containing a link to reset their password. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be registered on the system to be able to reset their password.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	1.4
Requirement name (Use case name)	Update Password
Requirement short description	The system should allow the user to reset their password.
Requirement detailed description and constraints	Description: The system should allow the user to reset their password. The system will request the user to enter their current password which will be checked in the systems database and then allow the user to enter a new password and confirm it. This new password will be saved to the database. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be logged on the system to be able to reset their password. The new password cannot be the same as the previous password.
Revision date and revision number	2023/03/19 Version 2.0



Priority	High
----------	------

Functional Requirement	Explanation
Requirement number	1.5
Requirement name (Use case name)	Update Email address
Requirement short description	The system should allow the user to update their account details.
Requirement detailed description and constraints	<p>Description: The system should allow the user to update their emails details. The user will enter their details and an appropriate message will display once the update has been completed.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



2.2.2. Client subsystem

Functional Requirement	Explanation
Requirement number	2.1
Requirement name (Use case name)	Register Client
Requirement short description	Allows the client to register themselves on the system.
Requirement detailed description and constraints	Description: The client should enter their details to create an account and register themselves. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> All the clients must register to use the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	2.2
Requirement name (Use case name)	View Profile
Requirement short description	The system should allow the user client to view their client account.
Requirement detailed description and constraints	Description: The system should allow the user (client or admin) to view the client account and see all information regarding them. Constraint(s): None.
Business rules applicable to this requirement	None
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	2.3
Requirement name (Use case name)	Update Client Details
Requirement short description	Allows the user to update their details.
Requirement detailed description and constraints	Description: The system should allow the user to update their details. The user will enter their updated details into the system. Constraint(s): 1. The user must first view their account.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must have been logged in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	2.4
Requirement name (Use case name)	View Resort
Requirement short description	The system should allow the client to view the resort of Platinum Island and see the reviews that clients made.
Requirement detailed description and constraints	Description: The system should allow the client to view the resort and see all information regarding them. Constraint(s): None.
Business rules applicable to this requirement	None
Revision date and revision number	2023/03/19 Version 3.0
Priority	High



Functional Requirement	Explanation
Requirement number	2.5
Requirement name (Use case name)	Add Review
Requirement short description	The system should allow the customer to add a review.
Requirement detailed description and constraints	Description: The system should allow the client to add a review. Once the review is completed the user can post it. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must have been logged in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	2.6
Requirement name (Use case name)	View client homepage
Requirement short description	The system should allow the user to view the home page of the platinum island resort.
Requirement detailed description and constraints	Description: The system should allow the user to view the landing page from the client side. The home page will have the buttons that redirect the user to the bookings, the past bookings as well as a footer with the contact information of the resort.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must have been logged in.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High



2.2.3.Accommodation subsystem

Functional Requirement	Explanation
Requirement number	3.1
Requirement name (Use case name)	Filter room booking
Requirement short description	The system should allow the user(admin) to view rooms.
Requirement detailed description and constraints	Description: The system should allow the user(client) to view rooms. The user(client) should be able to see all the details of the rooms. The user(client) will be able to select a room to book for his stay. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user(admin) must be logged on the system. Only the admin has access to view rooms.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.2
Requirement name (Use case name)	Make room booking
Requirement short description	The system should allow the client to make a booking for an accommodation room.
Requirement detailed description and constraints	Description: This use case begins when the client requests to make an accommodation booking on the system. The system will prompt the customer to enter the relevant details and will at this stage invoke the Make Payment use case. Once the deposit payment is approved, the accommodation booking will be reserved as the deposit is paid for this function, for the date the client booked for, and an email will be generated by the system and will be sent to the client with their check-in details. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must be logged on the system. A deposit of 20% of the total fee must be paid.



Revision date and revision number	2023/04/11 Version 3.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	3.3
Requirement name (Use case name)	Cancel Room Booking
Requirement short description	The system should allow the client or admin to cancel an accommodation booking.
Requirement detailed description and constraints	<p>Description: The system should allow the client/admin to cancel an accommodation booking. The use case begins when the client/admin wants to cancel a booking. The system will prompt the client/admin to confirm whether they would like to cancel a booking, upon which the client/admin will confirm the booking cancellation. The system will then update the Bookings Table to reflect the booking status by reading the "Cancelled" status from the Booking Status Table.</p> <p>Constraint(s): 1. The client booking must exist beforehand.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client will receive a full refund should they cancel their booking at least 48 hours before the accommodation booking. If the client cancels a booking between 24 and 48 hours they will receive a 50% refund, and if the cancellation is less than 24 hours before the accommodation booking then no refund is provided.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.4
Requirement name (Use case name)	Send Accommodation Booking Reminder
Requirement short description	The system should send a booking reminder to the customer 24 hours before their accommodation booking reservation.



Requirement detailed description and constraints	Description: The system must automatically send an email reminder to the customer reminding them of their accommodation booking 24 hours prior to the booking time. Constraint(s): 1. The customer must have provided their email address
Business rules applicable to this requirement	<ul style="list-style-type: none"> The reminder needs to be sent to the customer's email 24 hours before the booking reservation.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.5
Requirement name (Use case name)	View room Type
Requirement short description	The system should allow the administrator to view room types.
Requirement detailed description and constraints	Description: The system should allow the administrator to view room types that can be assigned to employees within the organisation. Each employee type will have access to different functionality throughout the system. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.6
Requirement name (Use case name)	Add room Type
Requirement short description	The system should allow the administrator to add room types.



Requirement detailed description and constraints	Description: The system should allow the administrator to create new room types that can be assigned to employees within the organisation. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.7
Requirement name (Use case name)	Update room Type
Requirement short description	The system should allow the administrator to update room types.
Requirement detailed description and constraints	Description: The system should allow the administrator to update the room types available for the clients to book. The administrator will have access to do this task. Constraint(s): 1. The employee type should exist on the system
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	3.8
Requirement name (Use case name)	Delete room Type
Requirement short description	The system should allow the administrator to delete room types.



Requirement detailed description and constraints	Description: The system should allow the administrator to delete a room type. The system will validate that no current room prices is associated with the selected room type, if validated, the system will respond by removing selected room type. Constraint(s): <ol style="list-style-type: none"> 1. The employee type should exist on the system.
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The user admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Medium



2.2.4. Ticketing subsystem

Functional Requirement	Explanation
Requirement number	4.1
Requirement name (Use case name)	View ticket booking
Requirement short description	The system will allow the client to view the ticket landing page.
Requirement detailed description and constraints	Description: The system will allow the client to make land on a ticket landing page once the ticket option is selected on the view reports landing page. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	4.2
Requirement name (Use case name)	Make Ticket Booking
Requirement short description	The system should allow the customer to make a booking for tickets to the resort.
Requirement detailed description and constraints	Description: This use case begins when the customer request to make a ticket purchase on the system. The system will prompt the customer to enter the relevant details. Once the purchase is approved, the ticket booking will be added and a unique QR code will be generated by the system. Constraint(s): <ol style="list-style-type: none"> The ticket booking purchase will have to be approved to continue. The customer must enter all relevant information to the ticket booking.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user needs to be logged onto the system
Revision date and revision number	2023/03/09 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	4.3
Requirement name (Use case name)	View ticket price
Requirement short description	The system should allow the administrator to view the prices of the tickets
Requirement detailed description and constraints	Description: The system should allow the administrator to view the prices of the tickets, on this view the admin will be able to update ticket prices. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	4.4
Requirement name (Use case name)	Update ticket price
Requirement short description	The system should allow the administrator to update a ticket price.
Requirement detailed description and constraints	Description: The system should allow the administrator to update ticket prices that can be assigned to tickets in the organisation. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system. Only admins can update ticket prices.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



2.2.5.Event subsystem

Functional Requirement	Explanation
Requirement number	5.1
Requirement name (Use case name)	View Event Booking
Requirement short description	The system must allow the admin to view event booking details.
Requirement detailed description and constraints	Description: This use case begins when the client wishes to view the event booking. The system will respond by displaying the event information requested by the client. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin needs to be logged onto the system.
Revision date and revision number	2023/04/11 Version 3.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	5.2
Requirement name (Use case name)	Make Event Booking
Requirement short description	The system should allow the customer to make bookings for events
Requirement detailed description and constraints	Description: This use case begins when the customer request to make an event booking on the system. The system will prompt the customer to enter the relevant details. Once the booking is completed, the system will automatically generate a quote that can be viewed by the customer. Once the booking request is completed, the event booking request will be sent the administrator to approve or decline the booking request. Constraint(s): 1. Customer must enter all the relevant event details
Business rules applicable to this requirement	<ul style="list-style-type: none"> The customer needs to be logged onto the system. The customer needs to upload a guest list to accompany the event details.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High



Functional Requirement	Explanation
Requirement number	5.3
Requirement name (Use case name)	Cancel Event Booking
Requirement short description	The system should allow the client or admin to cancel an event booking.
Requirement detailed description and constraints	<p>Description: The use case begins when the client/admin wants to cancel an event booking. The system will prompt the client/admin to confirm whether they would like to cancel the booking, upon which the client/admin will confirm booking cancellation. The system will view the current date and compare the date to the date of the event to determine what percentage of refund the customer will receive. The system will then update the Event Bookings Table to reflect the booking status by reading the “Cancelled” status from the Booking Status Table.</p> <p>Constraint(s):</p> <ol style="list-style-type: none"> 1. The booking must exist beforehand.
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The client/admin must be logged onto the system. • The client will receive a 100% refund should the booking cancellation be done at least 5 days before the event. 50% refund if it's less than 5 days before, and no refund will be provided if it's less than 24 hours before the event.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High

Functional Requirement	Explanation
Requirement number	5.4
Requirement name (Use case name)	Send Event Booking Reminder
Requirement short description	The system should send an event booking reminder to the customer 24 hours before their booking time.
Requirement detailed description and constraints	<p>Description: The system must automatically send an email reminder to the customer reminding them of their event booking 24 hours prior to the event booking time.</p> <p>Constraint(s):</p> <ol style="list-style-type: none"> 1. The customer must have provided their email address
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The reminder needs to be sent to the customer's email 24 hours before the event booking.
Revision date and revision number	2023/04/11 Version 3.0
Priority	High



Functional Requirement	Explanation
Requirement number	5.5
Requirement name (Use case name)	View event price
Requirement short description	The system should allow the administrator to view an event price.
Requirement detailed description and constraints	Description: The system should allow the administrator to view event prices that can be assigned to events in the organisation. On this view the admin will be able to update event prices. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	5.6
Requirement name (Use case name)	Update event price
Requirement short description	The system should allow the administrator to update an event price.
Requirement detailed description and constraints	Description: The system should allow the administrator to update event prices that can be assigned to event in the organisation. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



2.2.6. Administration subsystem

Functional Requirement	Explanation
Requirement number	6.1
Requirement name (Use case name)	View Employee
Requirement short description	The system should allow the user (admin or owner) to view the details of the employees.
Requirement detailed description and constraints	<p>Description: The system should allow the user (admin or owner) to view details of the employees in a list. The user should be able to see details such as Employee ID, name, surname and contact number.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user (admin or owner) must be logged on the system.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.2
Requirement name (Use case name)	Add Employee
Requirement short description	The owner should be able to add employees to the system.
Requirement detailed description and constraints	<p>Description: The owner should be able to add employees to the system. The use case begins when the owner wishes to add a new employee to the system. The system will prompt the user to enter the required details which will then be saved onto the system.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> Only the owner will have access to adding employees to the system. The owner needs to be logged onto the system
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.3
Requirement name (Use case name)	Update Employee
Requirement short description	The system should allow the user (admin or owner) to update employee details.
Requirement detailed description and constraints	Description: The system should allow the user(admin) to update employee details. The system will prompt the user to update details of employees such as employee ID, name, surname and contact number. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user(admin) must be logged on the system. Only the admin or owner has access to update employee details.
Revision date and revision number	2023/03/04 Version 1.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	6.4
Requirement name (Use case name)	Delete Employee
Requirement short description	The system should allow the user (admin or owner) to update employee details.
Requirement detailed description and constraints	Description: The system should allow the user(admin) to update employee details. The system will prompt the user to update details of employees such as employee ID, name, surname and contact number. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user(admin) must be logged on the system. Only the admin or owner has access to update employee details.
Revision date and revision number	2023/03/04 Version 1.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	6.5
Requirement name (Use case name)	View Employee Type
Requirement short description	The system should allow the administrator to view employee types.
Requirement detailed description and constraints	Description: The system should allow the administrator to view employee types that can be assigned to employees within the organisation. Each employee type will have access to different functionality throughout the system. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.6
Requirement name (Use case name)	Add Employee Type
Requirement short description	The system should allow the administrator to add employee types.
Requirement detailed description and constraints	Description: The system should allow the administrator to create new employee types that can be assigned to employees within the organisation. Each employee type will have access to different functionality throughout the system. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.7
Requirement name (Use case name)	Update Employee Type
Requirement short description	The system should allow the administrator to update employee types.
Requirement detailed description and constraints	<p>Description: The system should allow the administrator to update the functionality of the employee types that are assigned to each employee. The administrator will be able to update access features of each employee type.</p> <p>Constraint(s): 2. The employee type should exist on the system</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.8
Requirement name (Use case name)	Delete Employee Type
Requirement short description	The system should allow the administrator to delete employee types.
Requirement detailed description and constraints	<p>Description: The system should allow the administrator to delete an employee type. The system will validate that no current employee is associated with the selected employee type, if validated, the system will respond by removing selected employee type.</p> <p>Constraint(s): 2. The employee type should exist on the system.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	6.9
Requirement name (Use case name)	View Accommodations
Requirement short description	The system should allow the client to click on the accommodation button, this will then take the user to the make accommodation booking screen.
Requirement detailed description and constraints	Description: The system should allow the client to click on the view accommodation button, this will then take the user to the make accommodation booking screen to make a new booking. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in
Revision date and revision number	2023/03/23 Version 3.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	6.10
Requirement name (Use case name)	Room Check-In
Requirement short description	The system should allow the user (admin) to check-in clients/guests.
Requirement detailed description and constraints	Description: The system should allow the user (admin) to check-in clients/guests. The admin will ask the clients for their room number to verify their booking. The admin will then proceed to give the client/guest their room key. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged onto the system. The user(client) must have made a booking to be able to check-in.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.11
Requirement name (Use case name)	Room Check-Out
Requirement short description	The system should allow the user (admin) to check out clients/guests.
Requirement detailed description and constraints	<p>Description: The system should allow the user (admin or security) to check out clients/guests. The customer will return their room keys as well as provide any information required by the administrator. Once completed, the customer will be allowed to check out.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged onto the system. The user(client) must have made a booking to be able to check out.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.12
Requirement name (Use case name)	View settings
Requirement short description	The system should allow the user (admin or owner) to view the settings of the system.
Requirement detailed description and constraints	<p>Description: The system should allow the user (admin or owner) to view the settings of the system. The user should be able to see details such as Employee ID, name, surname and contact number.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user (admin or owner) must be logged on the system.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.13
Requirement name (Use case name)	Create VAT
Requirement short description	The system should allow the user (admin) to create the VAT item.
Requirement detailed description and constraints	Description: The system should allow the user (admin) to create VAT. The system should allow the admin to choose the amount of VAT charged on an item to reflect the correct VAT amount in the country at the time. Constraint(s): None
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged onto the system.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.14
Requirement name (Use case name)	Update VAT
Requirement short description	The system should allow the user (admin) to update the VAT item.
Requirement detailed description and constraints	Description: The system should allow the user (admin) to update the VAT charged. The system should allow the admin to update the VAT amount to correct any mistakes or due to the country changing the VAT rate. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged onto the system.
Revision date and revision number	2023/03/04 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.15
Requirement name (Use case name)	View Audit Log
Requirement short description	The system should allow the admin to view the audit log.
Requirement detailed description and constraints	Description: The admin should have access to view an audit list that includes all users and their activities on the system. This will enable the administrator to monitor the actions of their employees on the system. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	6.16
Requirement name (Usecase name)	View Reminder Timer
Requirement shortdescription	The system should allow the administrator to view the detailsof the reminder timer.
Requirement detaileddescription and constraints	Description: The system should allow the administrator to view what the time information is currently set to for the reminder timer. Constraint(s): None.
Business rules applicableto this requirement	<ul style="list-style-type: none"> The admin needs to be logged in.
Revision date and revisionnumber	2023/03/19 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.17
Requirement name (Use case name)	Update Reminder Timer
Requirement short description	The system should allow the administrator to edit the details of the reminder timer.
Requirement detailed description and constraints	Description: The system should allow the administrator to edit the automated time set for the reminder to be sent to the customer. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The cleaner needs to be logged in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	6.18
Requirement name (Use case name)	View Day visits
Requirement short description	The system should allow the client to click on the view day visits button, this will then take the user to the make ticket booking screen.
Requirement detailed description and constraints	Description: The system should allow the client to click on the view day visits button, this will then take the user to the make ticket booking screen to make a new booking. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The cleaner should only have access to the inspection report on the system. The cleaner needs to be logged in.
Revision date and revision number	2023/03/23 Version 3.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	6.19
Requirement name (Use case name)	Check-In Ticket
Requirement short description	The system should allow the user (admin or security guard) to scan the client's ticket.
Requirement detailed description and constraints	Description: The system should allow the user (admin or security) to scan tickets. The system will verify the users QR code by checking the booking linked to the QR code. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user(client) must have made a booking to be able to scan their ticket.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.20
Requirement name (Use case name)	View events
Requirement short description	The system should allow the client to click on the view events button, this will then take the user to the make event booking screen.
Requirement detailed description and constraints	Description: The system should allow the client to click on the view events button, this will then take the user to the make event booking screen to make a new booking. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in
Revision date and revision number	2023/03/23 Version 3.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	6.21
Requirement name (Use case name)	Event Check-In
Requirement short description	The system should allow the administrator to check-in guests to an event.
Requirement detailed description and constraints	Description: The system should allow the administrator to check-in guests to an event. The admin will request the customer to provide their booking information, which will be validated before the customer can successfully check-in into the event. Constraint(s): <ol style="list-style-type: none"> 1. A customer's booking has to have been made prior to check-in.
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The admin needs to be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.22
Requirement name (Use case name)	Event Check-Out
Requirement short description	The system should allow the administrator to check-out guest from an event.
Requirement detailed description and constraints	Description: The system should allow the administrator to check-out guests from an event. The guest will provide their room keys as well as any information required by the admin. The admin will then successfully then check-out the guest. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The admin needs to be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.23
Requirement name (Use case name)	View Dashboard
Requirement short description	The system should allow the admin to view the dashboard.
Requirement detailed description and constraints	Description: The system should allow the admin to view the dashboard. The system will populate the dashboard with the current schedule of bookings, any events taking place and reviews of the resort. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system
Revision date and revision number	2023/04/14 Version 3.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.24
Requirement name (Use case name)	View Account
Requirement short description	The system should allow the user to view their account.
Requirement detailed description and constraints	Description: The system should allow the user to view their account. The system will retrieve the client details from the respective table. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The user must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.25
Requirement name (Use case name)	View Refunds
Requirement short description	The system should allow the admin to view clients that are eligible for refunds.
Requirement detailed description and constraints	<p>Description: This use case describes the event where an administrator wishes to view the refunds that are due to the clients. On this view, the administrator will be able to see the list of clients that are due for a refund and select the 'refund' button indicating the client has been refunded.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • Cancellation after 48 hours will result in the client being returned 25% of the fee. • Cancellation within 48 hours before the booking will result in no fee being returned.
Revision date and revision number	2023/09/02 Version 1.0
Priority	High

Functional Requirement	Explanation
Requirement number	6.26
Requirement name (Use case name)	Refund Room Booking
Requirement short description	If the client cancels their room booking 48 hours before the check-in date, they should be eligible for a refund.
Requirement detailed description and constraints	<p>Description: The system should allow the administrator to refund a client's room booking. Whereby the client will be asked to confirm their booking before their room booking record is retrieved from the RoomBooking entity. Once the administrator has found the record, the administrator will request confirmation on the client's room booking refund and will then complete the client's refund payment off of the system. The system will then change the status of their room booking to "Refunded".</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • The client must cancel their booking at least 48 hours before their check in date.
Revision date and revision number	2023/09/02 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	6.27
Requirement name (Use case name)	Refund Event Booking
Requirement short description	If the client cancels their event booking 48 hours before the check-in date, they should be eligible for a refund.
Requirement detailed description and constraints	<p>Description: The system should allow the administrator to refund a client's event booking. Whereby the client will be asked to confirm their booking before their event booking record is retrieved from the Event entity. Once the administrator has found the record, the administrator will request confirmation on the client's event booking refund and will then complete the client's refund payment off of the system. The system will then change the status of their event booking to "Refunded".</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The client must cancel their booking at least 48 hours before their check in date.
Revision date and revision number	2023/09/02 Version 1.0
Priority	High



2.2.7.Inventory subsystem

Functional Requirement	Explanation
Requirement number	7.1
Requirement name (Use case name)	View Item
Requirement short description	Enables the administrator to search for the item that they wish to view.
Requirement detailed description and constraints	<p>Description: The system's administrator wants to view a certain item that has previously been added. The administrator then looks up what they want to see. The item that was searched for will be loaded and displayed by the system.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged on the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.2
Requirement name (Use case name)	Add Item
Requirement short description	Enables the admin to add an item to the system that he uses as inventory.
Requirement detailed description and constraints	<p>Description: It should be possible for the admin to add an item the company utilizes to the system. This will be used to keep track of the items that are offered at any given time, as well as the costs of the products that are offered.</p> <p>Constraint(s): 1. No duplicate versions of this item should be available.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.3
Requirement name (Use case name)	Update Item
Requirement short description	Enables the admin to update for the item that he wishes to view.
Requirement detailed description and constraints	<p>Description: The admin wishes to update the details of a specific item in the system. The admin can then search for the item, the item will be loaded onto the system. The admin can then edit the details of the item and save it to the system.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.4
Requirement name (Use case name)	Delete Item
Requirement short description	Enables the admin to remove an item with its details from the system.
Requirement detailed description and constraints	<p>Description: The admin wishes to delete a specific item that already exists on the system. The admin then selects what he would like to remove from the system. The system will then delete the item that was selected.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.5
Requirement name (Use case name)	View Item Type
Requirement short description	Enables administrator to search and view for an item type on the system.
Requirement detailed description and constraints	Description: The system's administrator wants to view a certain item that has previously been added. The administrator then looks up what they requested to view. The item that was searched for will be loaded and displayed by the system. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The owner needs to be logged onto the system.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Low.

Functional Requirement	Explanation
Requirement number	7.6
Requirement name (Use case name)	Add item type
Requirement short description	Allows the admin to add a category to the list of products.
Requirement detailed description and constraints	Description: The admin should be able to add a new category to the list of existing categories using the system. In this use scenario, the admin would want to organize all the stock into several categories so that it would be simpler to keep track of them all. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin needs to be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.7
Requirement name (Use case name)	Update Item Type
Requirement short description	The system must enable the administrator to update an item type from the system.
Requirement detailed description and constraints	<p>Description: The system must allow for the administrator to update an item type's details. The administrator will request to update an item's type's details, which the system will respond by requesting the admin to enter the new details of the item type. The system will validate whether any items exist with the item type before updating the database with the appropriate information.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator needs to be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.8
Requirement name (Use case name)	Delete Item Type
Requirement short description	The system must enable the administrator to delete an item type from the system.
Requirement detailed description and constraints	<p>Description: The administrator wishes to delete a specific item type that already exists on the system. The administrator then selects what they would like to remove from the system. The system will then check that no item is associated with that item type before it is removed from the database.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.9
Requirement name (Use case name)	View Item Category
Requirement short description	The system must enable the administrator to view an item category on the system.
Requirement detailed description and constraints	Description: The system should enable the administrator to view the item categories that exist on the system. The admin should be able to see the details of each item category. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.10
Requirement name (Use case name)	Add Item Category
Requirement short description	The system must enable the administrator to add an item category to the system.
Requirement detailed description and constraints	Description: The system should enable the administrator to add a new item category to the system. The admin will provide the details of the item category. The system will then respond by creating a new record within the ItemCategory Table. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.11
Requirement name (Use case name)	Update Item Category
Requirement short description	The system must enable the administrator to update an item category on the system.
Requirement detailed description and constraints	<p>Description: The system should enable the administrator to update an existing item category on the system. The system will respond by requesting the admin to provide the updated details of the item category, which the admin will provide. The system will capture the updated information and update the ItemCategory Table.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.12
Requirement name (Use case name)	Delete Item Category
Requirement short description	The system must enable the administrator to delete an item category from the system.
Requirement detailed description and constraints	<p>Description: The administrator wishes to delete a specific item category that already exists on the system. The administrator then selects what they would like to remove from the system. The system will then check that no item is associated with that item type before it is removed from the ItemCategory Table.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The administrator must be logged onto the system.
Revision date and revision number	2023/03/23 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.13
Requirement name (Use case name)	View Supplier
Requirement short description	Enables the admin to search for a supplier to retrieve his current details.
Requirement detailed description and constraints	<p>Description: The admin wishes to view a specific supplier that is already added onto the system. The admin then searches what for the supplier that would like to view. The system will load the suppliers' details that was searched for.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.14
Requirement name (Use case name)	Add Supplier
Requirement short description	Enables the admin to add a supplier along with the supplier details to a list with his current supplier details.
Requirement detailed description and constraints	<p>Description: The admin wishes to add a new supplier to the system. The system will allow them to input the suppliers' current details to the system. This will be used to keep track of the suppliers' details and make it easy for the admin to order and find the details of the suppliers.</p> <p>Constraint(s): 1. No duplicate information should be stored onto the system.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The manager must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.15
Requirement name (Use case name)	Update Supplier
Requirement short description	Enables the admin to update the supplier details.
Requirement detailed description and constraints	<p>Description: The admin wishes to update the details of a supplier that is already added onto the system. The admin then searches what he would like to view. The system will load the item that was searched for.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.16
Requirement name (Use case name)	Delete Supplier
Requirement short description	Enables the admin to delete the supplier details.
Requirement detailed description and constraints	<p>Description: The admin wishes to delete a supplier that already exists on the system. The admin then selects the supplier that he would like to remove from the system. The system will then delete the item that was selected.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> The admin must be logged onto the system.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.17
Requirement name (Use case name)	View Supplier Order
Requirement short description	The system must allow the admin to view a supplier order.
Requirement detailed description and constraints	Description: The admin must be able to view supplier order's that were placed on the system. Constraint(s): None.
Business rules applicable to this requirement	None.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.18
Requirement name (Use case name)	Place Supplier Order
Requirement short description	The system must allow the admin to place a supplier order.
Requirement detailed description and constraints	Description: The admin must be able to place a supplier order once the product is low in stock. The admin then selects a supplier from which he wants to order the stock from, and the system allows the admin to place an order for new stock. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



Functional Requirement	Explanation
Requirement number	7.19
Requirement name (Use case name)	Cancel Supplier Order.
Requirement short description	The system must allow the admin to cancel a supplier order.
Requirement detailed description and constraints	<p>Description: The admin must be able to cancel an order made with a supplier if they ordered in mistake or for some reason do not want the products anymore. The admin will firstly search for the supplier order, thereafter the user should click on the cancel icon to cancel order.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • Orders from suppliers that are already on route cannot be cancelled. • Admin must be logged on.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low

Functional Requirement	Explanation
Requirement number	7.20
Requirement name (Use case name)	Receive Supplier Order
Requirement short description	The system must allow the admin to receive a supplier order.
Requirement detailed description and constraints	<p>Description: The admin must be able to receive a supplier order, once the supplier order arrives at the practice the receptionist will search for the supplier order on the system and will confirm all products are accounted for.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • Admin must be logged in. • The order should be checked before the supplier leaves.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Low



2.2.8. Report subsystem

Functional Requirement	Explanation
Requirement number	8.1
Requirement name (Use case name)	View Reports
Requirement short description	The system must allow the admin to view a list of the reports that are available.
Requirement detailed description and constraints	Description: The admin must be able to view reports. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged in.
Revision date and revision number	2023/03/19 Version 2.0
Priority	High

Functional Requirement	Explanation
Requirement number	8.2
Requirement name (Use case name)	Generate Peak Season Day visit Report
Requirement short description	The system must allow the owner to create a report that displays each month throughout the year and which month had the most activity.
Requirement detailed description and constraints	Description: The admin wishes to generate a report displaying the peak seasons. The system then generates a bar graph showing each month in a year and the months in which the resort had the business. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged in.
Revision date and revision number	03/03/2023 Version 1.0
Priority	High



Functional Requirement	Explanation
Requirement number	8.3
Requirement name (Use case name)	Generate Accommodation Summary Report
Requirement short description	The system must allow the owner to generate a report showing the summary of the accommodation bookings.
Requirement detailed description and constraints	<p>Description: The owner wishes to generate a report displaying a summary or graph of the different rooms that were booked and which room type was booked the most in a given period. The system then displays a graph showing the different rooms and how often they were booked.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • Owner must be logged in. • Time period must be specified.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	8.4
Requirement name (Use case name)	Generate Room Ratings Report
Requirement short description	The system must allow the owner to generate a ratings report.
Requirement detailed description and constraints	<p>Description: This use case describes the process of the owner selecting the option to generate a ratings report which can then be populated with the information of a ratio of ratings displayed in a chart.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> • None.
Revision date and revision number	2023/03/19 Version 2.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	8.5
Requirement name (Use case name)	Generate customer demographic report
Requirement short description	The system should allow the owner to generate the customer demographic report.
Requirement detailed description and constraints	<p>Description: The owner wishes to generate a customer demographic report which will display a graph showing the different age categories that were displayed the most in the last year.</p> <p>Constraint(s): 1. Time period must be specified.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> Admin must be logged in. If no clients have used the resort, no booking will get generated.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	8.6
Requirement name (Use case name)	Generate event type report
Requirement short description	The system must enable the admin to create a report that will display the most selected events when making a booking.
Requirement detailed description and constraints	<p>Description: The admin wishes to generate a event type report. The admin will provide the time period in which the report should be generated, the system will then display the graph showing which event was used the most.</p> <p>Constraint(s): None.</p>
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in. A time period must be specified.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	8.7
Requirement name (Use case name)	Generate booking type remuneration report.
Requirement short description	The system must enable the admin to generate a report showing the different bookings that was selected the most.
Requirement detailed description and constraints	Description: The admin wishes to generate a remuneration report. The system allows the admin to enter the dates he wishes. The system then responds by generating a report showing where the different income is from in each booking type. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in. A time period must be specified.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	8.8
Requirement name (Use case name)	Generate supplier order report.
Requirement short description	The system must enable the admin to generate a report showing the different orders that was placed and received.
Requirement detailed description and constraints	Description: This use case describes the event where the administrator would like to generate a Supplier Order List report. The use case begins when the administrator requests to generate a Supplier Order List report. The system will then retrieve all the Supplier Order records and display them in a list report. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	8.9
Requirement name (Use case name)	Generate employee list.
Requirement short description	The system must enable the admin to generate a report showing the different employees that exist on the system.
Requirement detailed description and constraints	Description: This use case describes the event where the admin would like to generate a list of all employees. The system should allow the admin to generate a list of employees by retrieving all the employee's details and populates the list by displaying the employees full name, ID number, Employee type, contact number and Hire Date. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium

Functional Requirement	Explanation
Requirement number	8.10
Requirement name (Use case name)	Generate available rooms list.
Requirement short description	The system must enable the admin to generate a report showing the different available rooms during that specific day.
Requirement detailed description and constraints	Description: The use case describes an event in which the administrator wishes to generate a list displaying a list of available rooms in a given period of time. The use case begins when the administrator selects the dates in which he wants to generate the list. The system will then retrieve data using the given dates and create a list of available rooms. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none"> Client must be logged in.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium



Functional Requirement	Explanation
Requirement number	8.11
Requirement name (Use case name)	Generate supplier list.
Requirement short description	The system must enable the admin to generate a report showing the different suppliers that the business purchases stock from.
Requirement detailed description and constraints	Description: This use case describes the event where the admin would like to generate a list of all suppliers. The system should allow the admin to generate a list of suppliers by retrieving all the supplier's details and populates the list by displaying the suppliers full name, Email, contact number and the description. Constraint(s): None.
Business rules applicable to this requirement	<ul style="list-style-type: none">Client must be logged in.
Revision date and revision number	03/03/2023 Version 1.0
Priority	Medium



3. Document conclusion

In conclusion, the above information displays all the updated use cases as well as their descriptions which was used to create the Hydrotech System.



4. Team sign-off

I, Ismaeel Rahaman, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....
Ismaeel Rahaman

I, Nawailah Tarmohamed, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all of the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....
Nawailah Tarmohamed

I, Deshlan Pillay, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.



.....
Deshlan Pillay



I, Sameer Ghela, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.

A handwritten signature in black ink, appearing to read "S. Ghela".

.....

Sameer Ghela

I, Sashin Gounden, confirm that I have read the requirement changes of the Platinum Island Resort and agree to all the information contained in this document. I confirm that the information stated above is factual and that I am aware of any and all changes made to this document between drafts. Furthermore, I confirm that I have contributed to this document equally as much as my teammates.

A handwritten signature in black ink, appearing to read "S. Gounden".

.....

Sashin Gounden



5. Client sign-off

I Ya'qoob Tayob, on behalf of the Platinum Island resort, acknowledge that I have received and reviewed the final requirements list and confirm that it is up to quality standards.

A handwritten signature in black ink, enclosed within a thin black rectangular border. The signature is stylized and appears to be "Ya'qoob Tayob".

Signature

