



Nile Haven Resort

A Seamless Escape

Software Requirements Specifications

Software Engineering CSCI313

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1. Interfaces

1.1. System Interface

For a first-time user of the website, he/she should be able to firstly see the website's Homepage when he/she visits the website, see Figure 02.

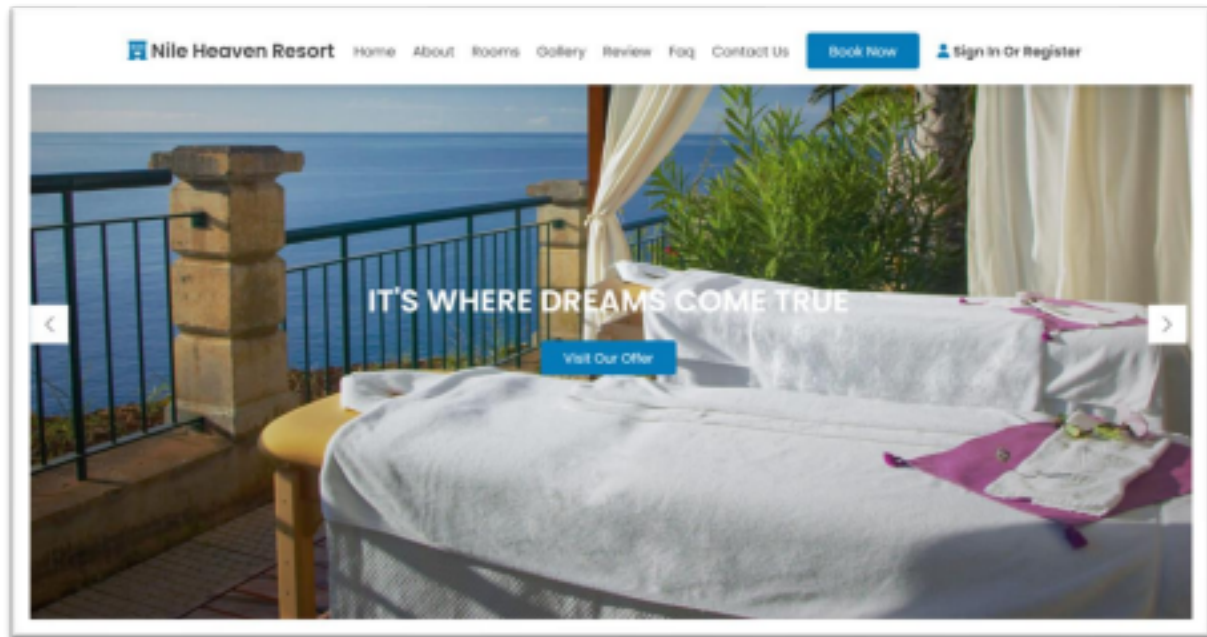


Figure 02: Homepage

The system has three users: The Guest, the Receptionist, and Hotel Manager, therefore the log in system has three views, one for each user.

The system displays a page where you can sign in or register from the home

The image shows the registration page of the Nile Heaven Resort website. On the left side, there is a large image of a couple relaxing in a swimming pool with the text 'NILE HEAVEN RESORT' and 'IT'S WHERE DREAMS COME TRUE' overlaid. On the right side, there is a 'Create account' form. The form includes input fields for 'First name', 'Last name', 'Email or phone number', 'Date of birth (year/month/day)', 'Password', and 'Confirm password'. There are checkboxes for 'Remember me' and 'I agree to all the Terms and Privacy policy'. Below the form are two buttons: 'Create account' and 'Sign in with google'. At the bottom of the form, there is a link that says 'Don't have an account? Log in'.

page. So, if the user does not have an account, the system prompts him to create one by entering his first name, last name, date of birth, email address, and password.

If you sign in as a Guest, Receptionist or Hotel Manger the system will ask for your email and password. If you forget your password, the system will also give you the option to sign in with your Facebook account in case if you are a guest user.

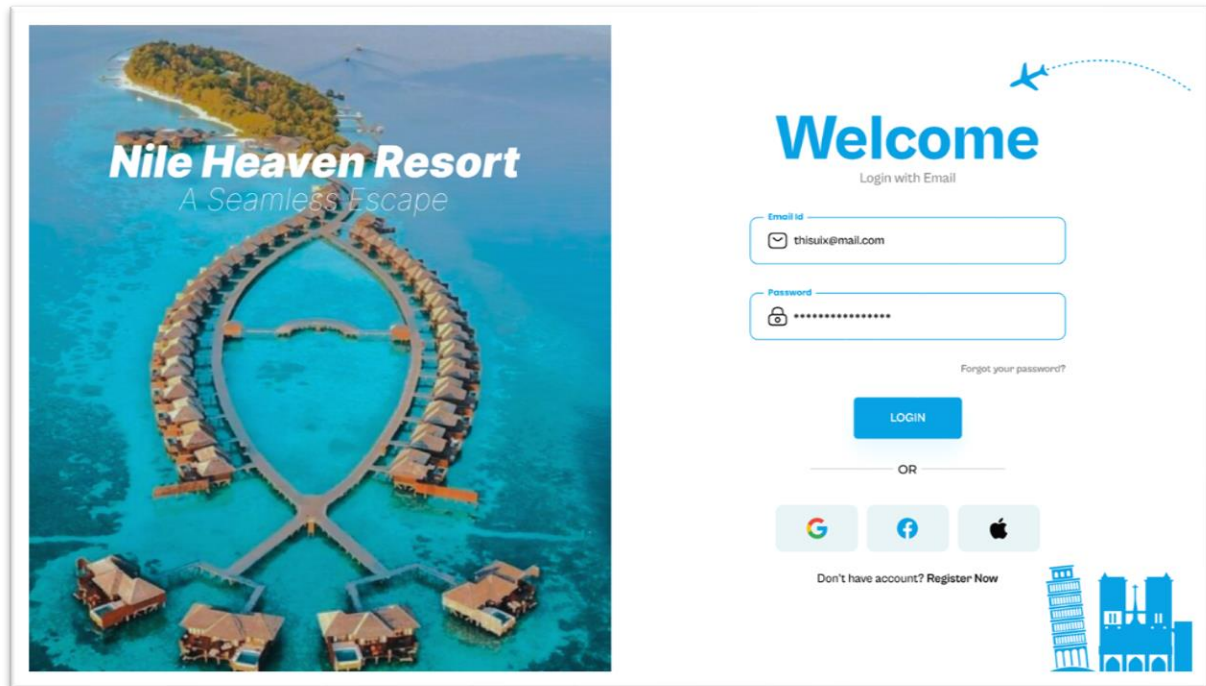
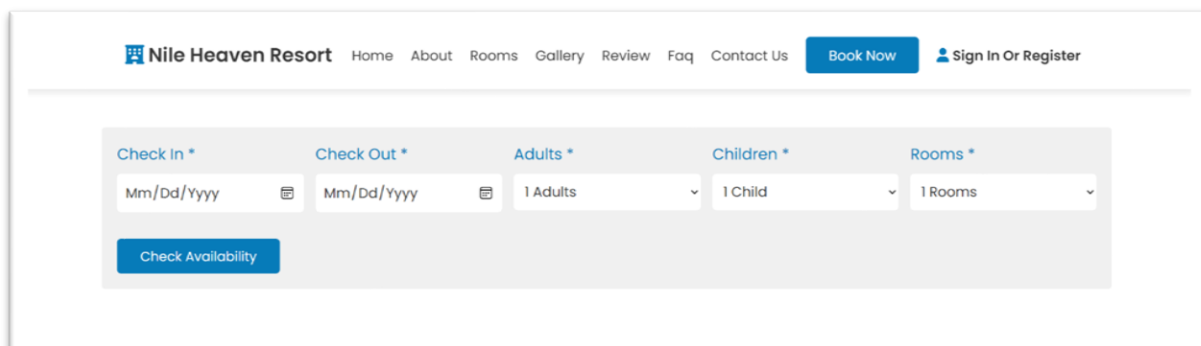
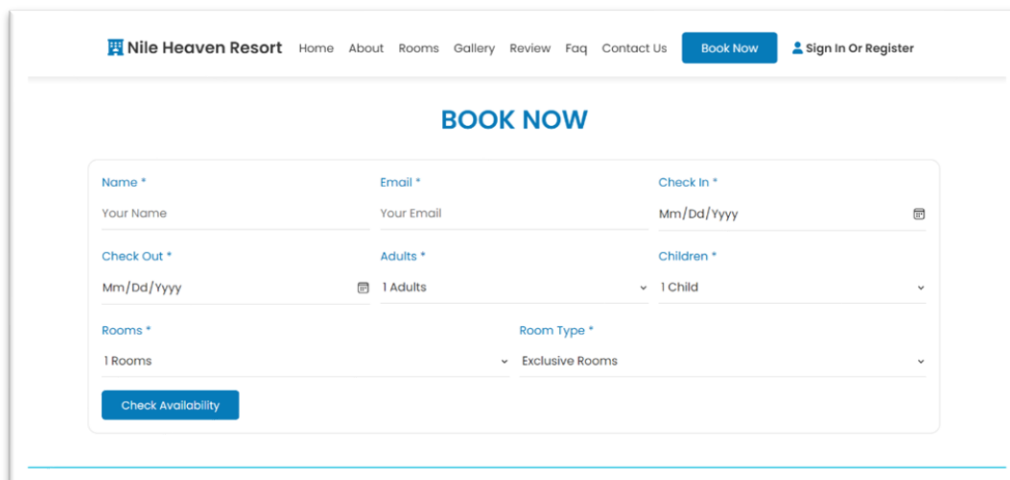
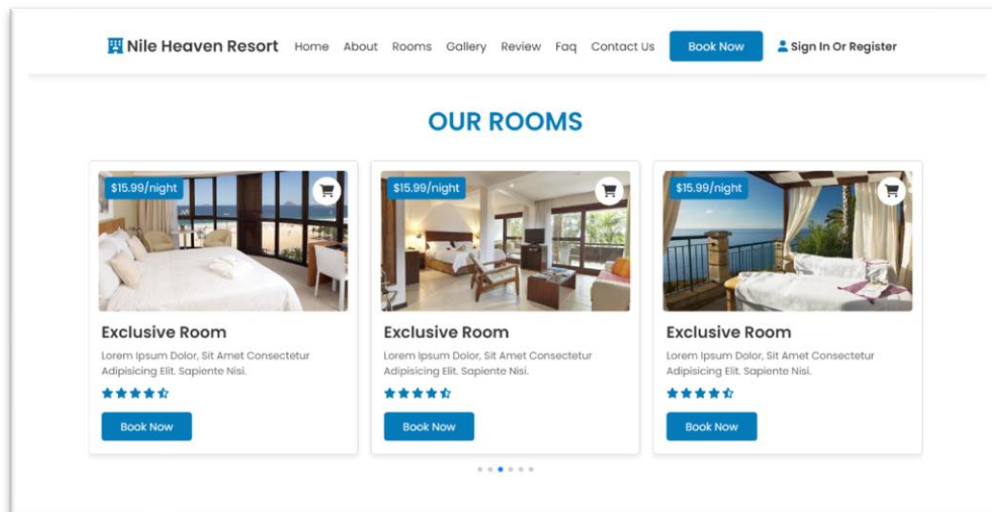
The image shows the login page for Nile Heaven Resort. On the left is a large banner image of the resort's overwater bungalows with the text "Nile Heaven Resort" and "A Seamless Escape". On the right is the login form. It starts with a "Welcome" heading and "Login with Email" subtext. There are input fields for "Email id" (containing "thisuix@mail.com") and "Password" (masked with dots). A "Forgot your password?" link is below the password field. A blue "LOGIN" button is centered. Below it is an "OR" separator. Underneath are three social media login buttons for Google, Facebook, and Apple. At the bottom, there is a "Don't have account? Register Now" link and a small icon of a resort building.

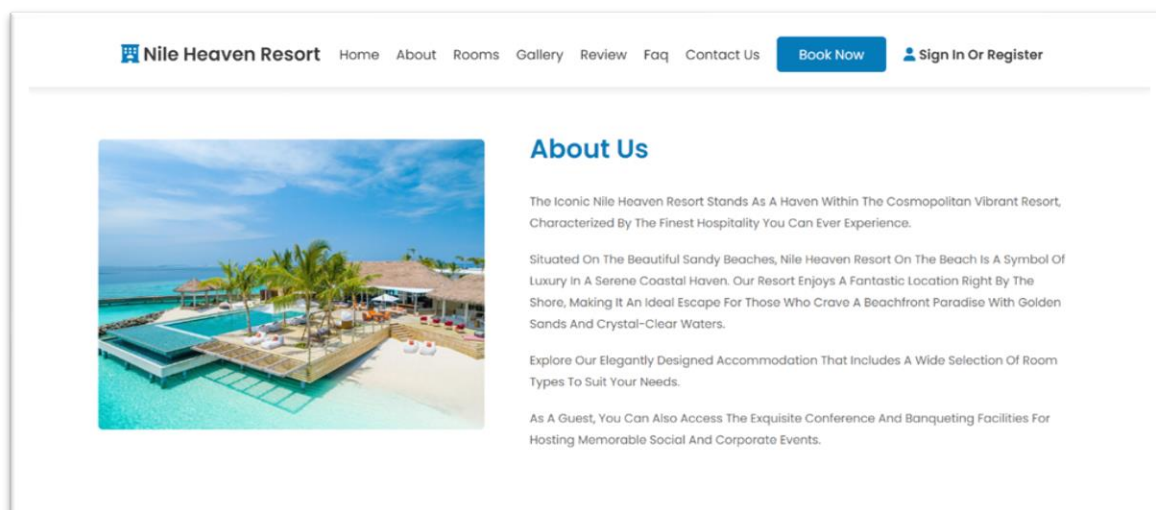
Figure 04: Sign In

The guest/user will be able to check the availability of the desired date as well as the prices of the room based on its type. The user will be able to view pictures of the rooms that have been uploaded to our website. So, the user can select the type of room that best suits his needs and fits within his budget, and then reserve it after checking its availability.

The image shows the booking section of the Nile Heaven Resort website. At the top is a navigation bar with the resort's name and links: Home, About, Rooms, Gallery, Review, Faq, Contact Us, a blue "Book Now" button, and a "Sign In Or Register" link. Below the navigation bar is a light gray booking form. It contains five labeled input fields: "Check In *" with a date picker showing "Mm/Dd/Yyyy", "Check Out *" with a date picker showing "Mm/Dd/Yyyy", "Adults *" with a dropdown menu showing "1 Adults", "Children *" with a dropdown menu showing "1 Child", and "Rooms *" with a dropdown menu showing "1 Rooms". Below these fields is a blue "Check Availability" button.



From About Us section, the guest/user will be able to find all the ways we can help him to ensure we can keep on track with our customers every step starting with the first step that is visiting our website to make him satisfied and more comfortable, as well as more details about what our services are and who we are, as well as they will find all our social media accounts, our email and phone number.



If you signed in as a receptionist, the system would take you to the Receptionist page and display the Receptionist's functionalities, such as View Bookings, and Receive Complaints.

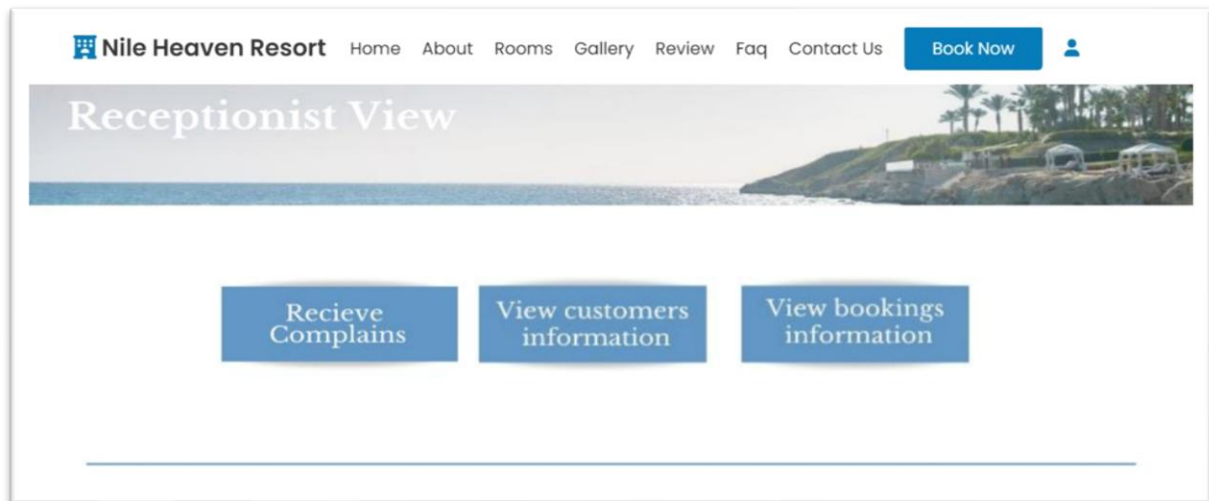


Figure 09: Receptionist View

If the user joined as a Hotel Manager, the system would display a page of the Hotel Manager. View the options available to the manager. View the staff report, the rooms information, the customers information, the bookings information, and the financials report.

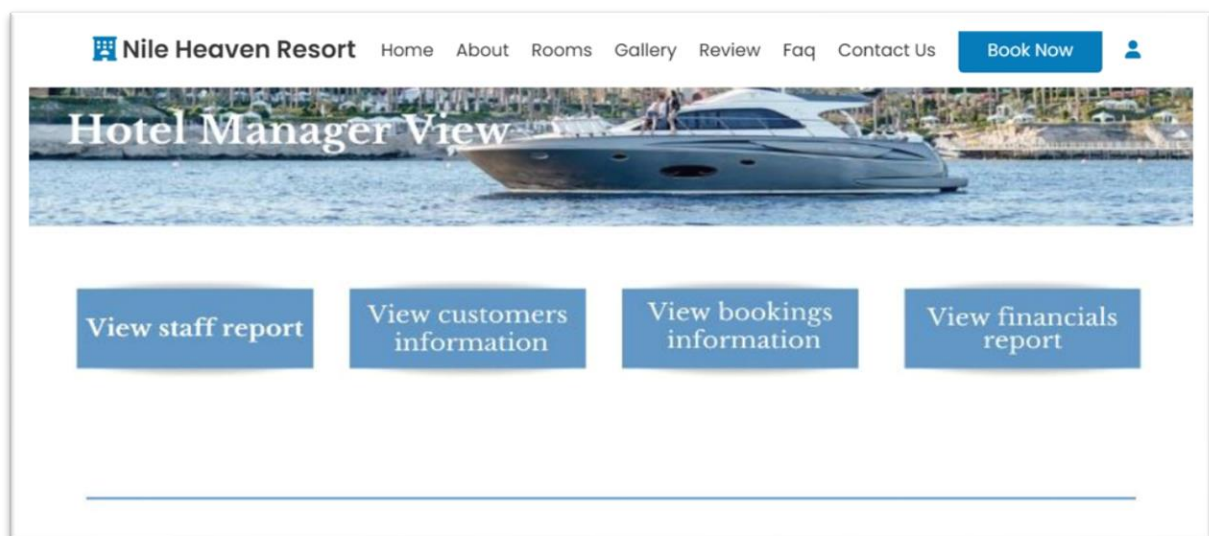


Figure 10: Hotel Manger

This section shows all frequently asked questions that may concern guests.

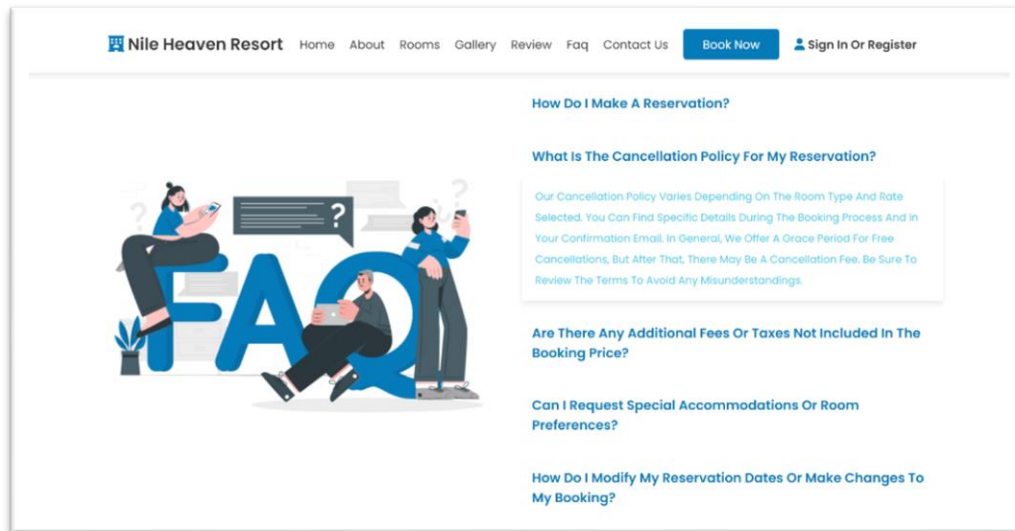


Figure 11: FAQ

This section displays all clients' reviews and their true opinions about our services and resort.

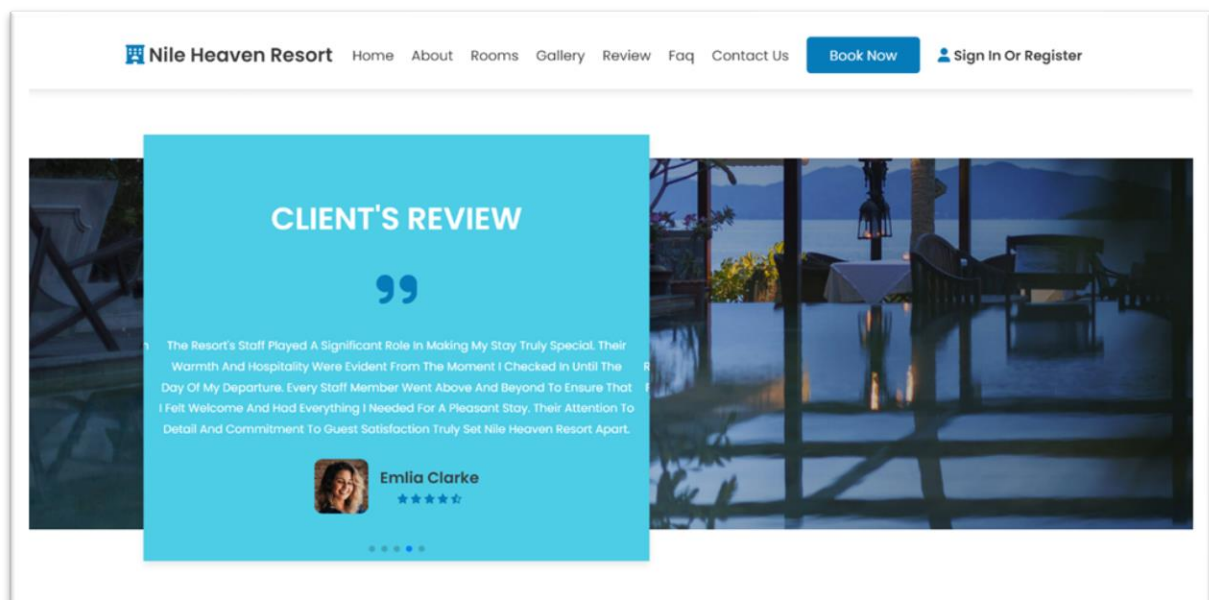


Figure 12: Client's Review

Here Guests can find all our exclusive services and can explore and reserve it.

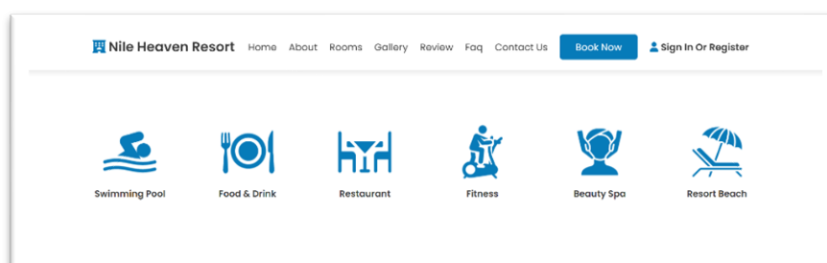


Figure 13: Services

The website will easily keep the users up to date on the special offers that are available at the time by visiting our website and checking the offers section.

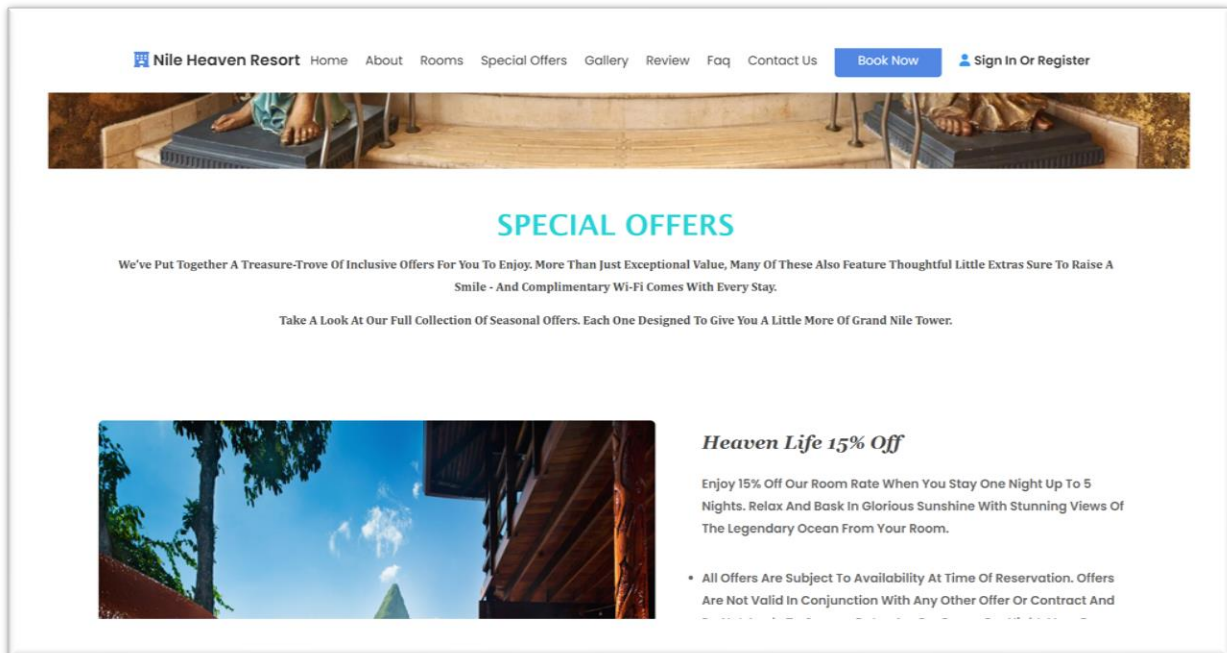


Figure 14: Special Offers

For personalized assistance with reservations or any inquiries, this section ensures that and if any guests want to leave a review for us.

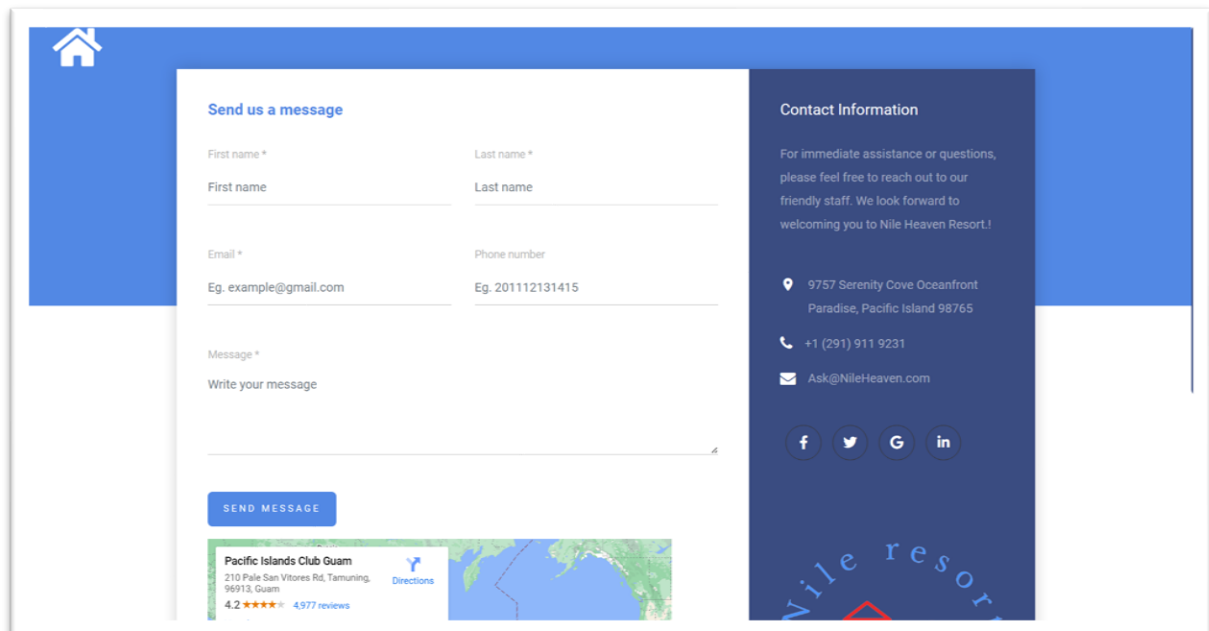


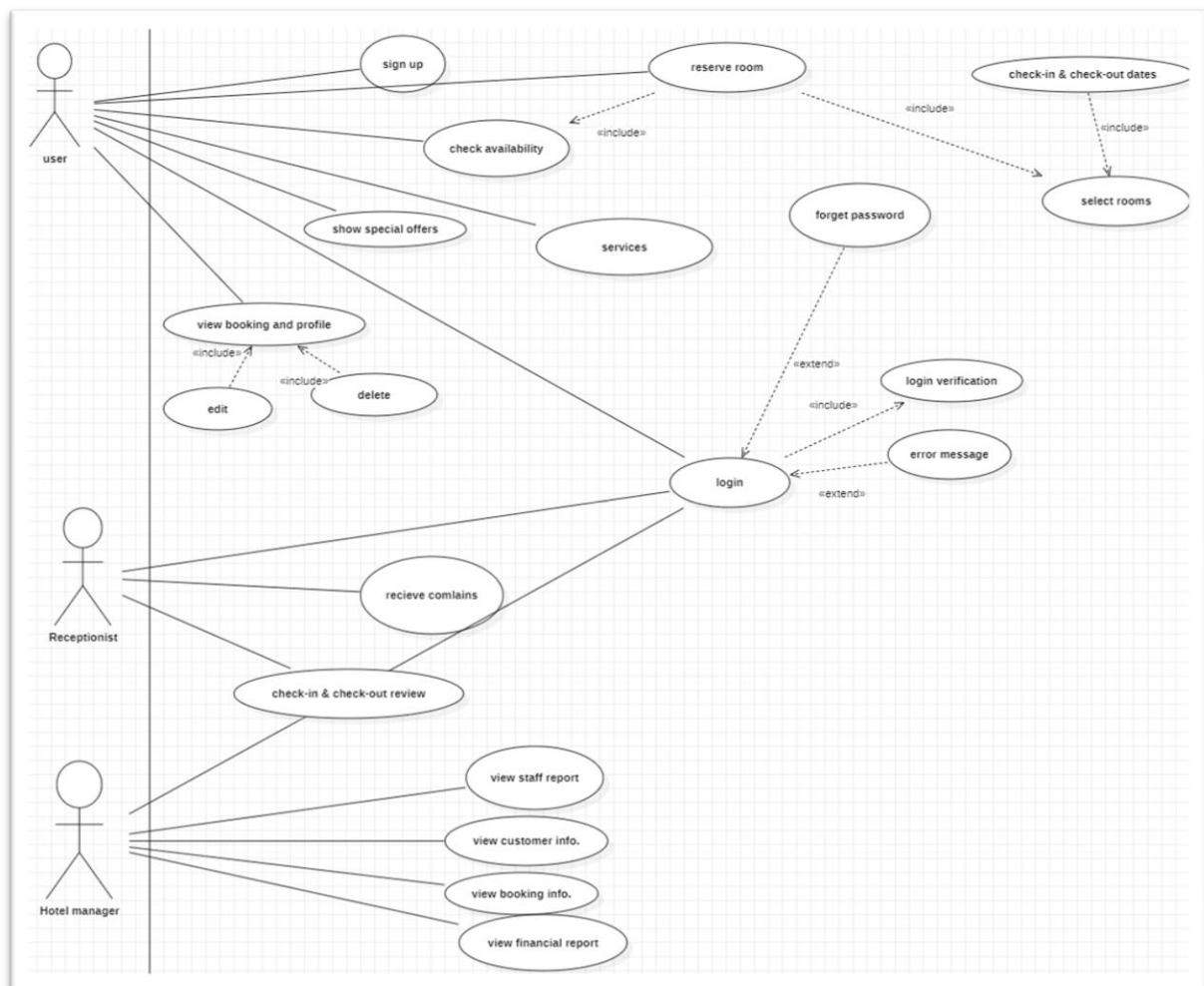
Figure 15: Contact us.

5.2. Software Interface

From the user's login to the website until the confirmation of the room reservation, all information entered by the user, receptionist, and manager from rooms, reservations, workers, are stored in the database. Such as the data of users and receptionists who log in to the website, information about booking rooms and guaranteed features, in addition to checking in and checking out, and hotel employee's data.

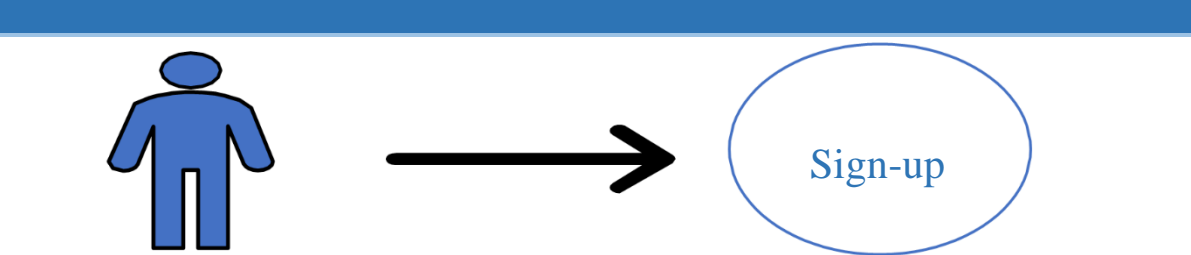
Diagrams

6.1. Use Case Diagram

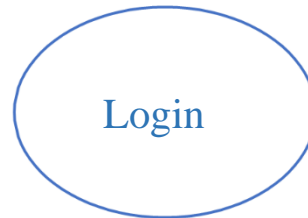


6.2. Use Case Scenarios

Use Case 01

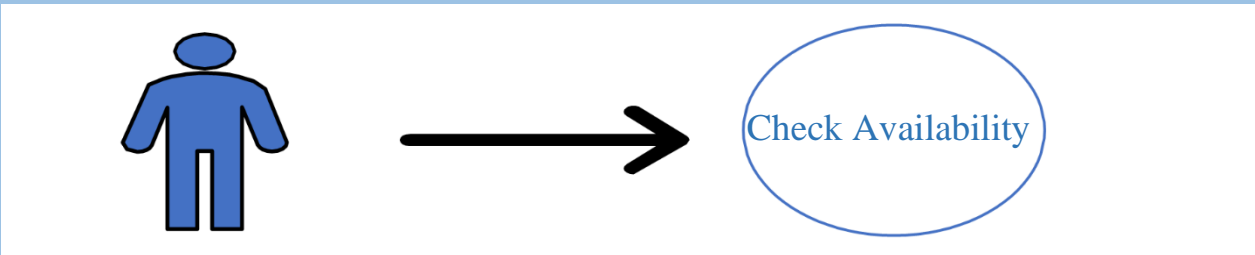
	
Use Case Name	Sign-up
Actors	User (unregistered)
Main Success Scenario	<ol style="list-style-type: none">1. System displays a page where the user can join from the home page.2. System prompts the user to create an account by entering his first name, last name, email address, and password.3. User enters the required information.4. User clicks on the join button.5. System checks that the username is available and not already in use by another user.6. System validates the information and creates the account.
Exceptions	<ol style="list-style-type: none">1. The user presses the join button without entering all the required information.2. Username is already used in the system.3. The information entered by the user is invalid.
Actions	<ol style="list-style-type: none">1.1 System alerts the user that he must enter the required information.1.2 User completes the required information.2.1 The system notifies the user that the username already exists.2.2 System asks the user to enter another username.2.3 The user chooses a different username that does not exist in the system.
Pre-condition	The user has internet connection.
Post-condition	<ol style="list-style-type: none">1. User is successfully registered and created an account.2. The number of user accounts has increased by one.3. User information is stored in the database.

Use Case 02

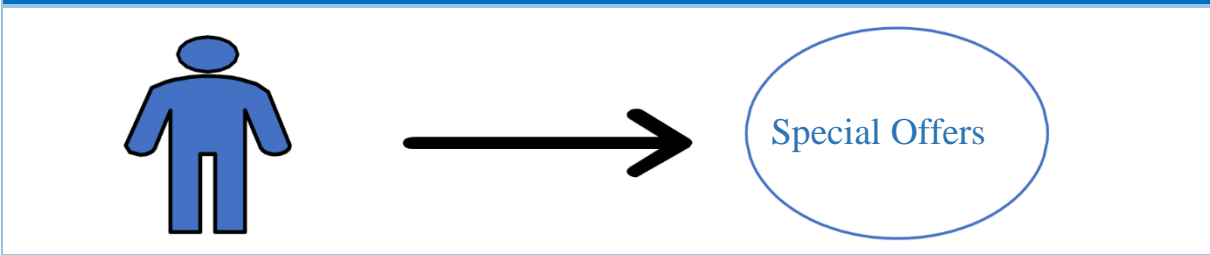


Use Case Name	Login
Actors	User (registered) / Receptionist/ Hotel manager
Main Success Scenario	<ol style="list-style-type: none">1. The system displays a page where the user can sign in from the home page.2. The system has three end users: The Customer, The Receptionist, and Hotel Manager.3. The system asks the user for their email or member number and password.4. If the user forgets his password, the system gives the user the option to sign in with his Facebook account.5. User enters the required information.6. User clicks on the sign in/ Facebook log in button.7. The system checks the validation of the user information and logs him into the system.
Exceptions	<ol style="list-style-type: none">1. The user presses the sign in button without entering all the required information.2. The User is unregistered into the system.3. The information entered by the user is invalid.4. User enters the correct username or password, or the user cancels the operation.
Actions	<ol style="list-style-type: none">1.1 System alerts the user that he must enter the required information.1.2 User completes the required information.2.1 The system notifies the user that he is unregistered to the account.2.2 User enters the correct username or password, or the user cancels the operation.
Pre-condition	User/ Receptionist/ hotel manager has an account.
Post-condition	<ol style="list-style-type: none">1. User is successfully logged into the system.2. The user has access to the functions of the user.3. The receptionist has access to the functions of the receptionists.4. The hotel manager has access to the functions of the hotel manager.

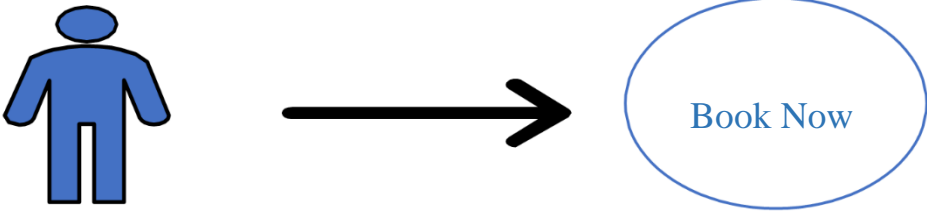
Use Case 03

	
Use Case Name	Check availability
Actors	User
Main Success Scenario	<ol style="list-style-type: none">1. The user clicks on the button to check availability of rooms.2. User enters check-in and check-out date then clicks on search button.3. The system displays to the user all the available rooms with the desired date.
Exceptions	user did not find any available rooms with the desired date or with the within the desired budget.
Actions	The system prompts the user to select another date.
Pre-condition	The user should be logged in.
Post-condition	The system displays the available of the rooms with the desired date.

Use Case 04

	
Use Case Name	Special offers
Actors	User
Main Success Scenario	<ol style="list-style-type: none">1. The user presses the special offers button.2. The system displays all the available offers for the users.3. The user clicks on the offer, he wants to learn more about it.4. The system displays all the offer details.
Exceptions	There are no special offers available.
Actions	The system notifies the user that no offers are currently available.
Pre-condition	User should be logged in.
Post-condition	The system displays all of the available specials offers.

Use Case 05

 <p>A blue stick figure icon representing a user is on the left. A thick black arrow points from the user icon to a light blue oval on the right. Inside the oval, the text 'Book Now' is written in blue.</p>	
Use Case Name	Book Now
Actors	User
Main Success Scenario	<ol style="list-style-type: none">1. The user presses the book now button.2. The system displays pictures of the different types of rooms.3. If the user finds the desired room, he clicks the "I'll reserve" button.4. The system requests the necessary information from the user in order to book the room.5. The system checks the information of the user6. System checks the validation of the information of the user.7. The system reserved the room successfully.
Exceptions	<ol style="list-style-type: none">1. The user cancels the operation of booking the room after pressing "I'll reserve" button.2. The user enters incorrect data while reserving the room.
Actions	<ol style="list-style-type: none">1.1 System will cancel the operation of reserving the room.2.2 System alerts the user to enter the correct information.2.3 User enters the correct data or cancel the operation.
Pre-condition	User should be logged in.
Post-condition	<ol style="list-style-type: none">1. User is able to view pictures of the hotel's rooms.2. The user reserves the desired room.3. Number of available rooms will decrease by one.

Use Case 06



Use Case Name	My Booking
Actors	User
Main Success Scenario	<ol style="list-style-type: none">1) The user clicks on “My Booking” button if he wants to view it to cancel his reservation.2) The system asks the user for his name and the reservation number.3) The user clicks on “How was your stay?” button, If the user wants to record any complaints.4) The user writes his complaints and clicks on the send button.5) The system receives complaints and stores them in a database.
Exceptions	The user did not click on the “send” button.
Actions	The system alerts the user that he should click on send button to save the complaints.
Pre-condition	The user should be logged in.
Post-condition	The system displays “My booking” view.

Use Case 07



Receive Complaints

Use Case Name	Receive Complaints.
Actors	Receptionist
Main Success Scenario	<ol style="list-style-type: none">1) The receptionist clicks on “Receive complaints”button.2) The system displays all complaints with dates.3) The receptionist chooses the complaint he wantsto view its details.4) The system displays all the details.
Exceptions	There are no received complaints
Actions	The system notifies the receptionist that there are noreceived complaints.
Pre-condition	Receptionist should be logged in.
Post-condition	Received complaints page is displayed.

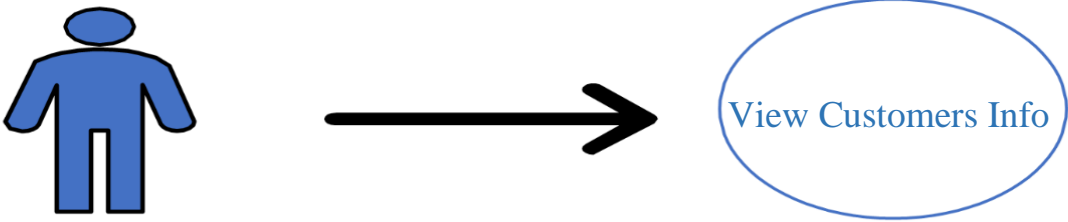
Use Case 08



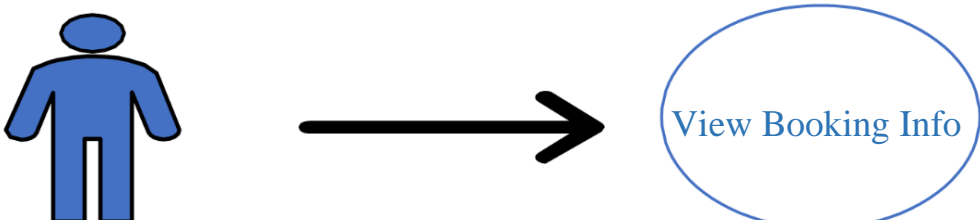
View Staff reports

Use Case Name	View staff reports.
Actors	Hotel manager.
Main Success Scenario	<ol style="list-style-type: none">1) The hotel manager clicks on “View staff report”button.2) The system displays a download button.3) The hotel manager presses on download button4) The system downloads a file with all the staffreports.5) The hotel manager opens the file and searches forthe desired report.
Pre-condition	Hotel manager should be logged in.
Post-condition	The hotel manager displays the staff reports that he wantsto check.

Use Case 09

	
Use Case Name	View customers information.
Actors	Hotel manager.
Main Success Scenario	<ol style="list-style-type: none">1) The hotel manager clicks on “View customersinformation” button.2) The system displays a download button.3) The hotel manager presses on download button4) The system downloads a file with all thecustomers’ information.5) The hotel manager opens the file and view thecustomers information.
Pre-condition	Hotel manager should be logged in.
Post-condition	The hotel manager displays the customer information thathe wants to check.

Use Case 10

	
Use Case Name	View bookings information.
Actors	Hotel manager.
Main Success Scenario	<ol style="list-style-type: none">1) The hotel manager clicks on “View bookinginformation” button.2) The system displays a download button.3) The hotel manager presses on download button4) The system downloads a file with all the bookinginformation.5) The hotel manager opens the file and viewbooking information.
Pre-condition	Hotel manager should be logged in.
Post-condition	The hotel manager displays the booking information.

Use Case 11

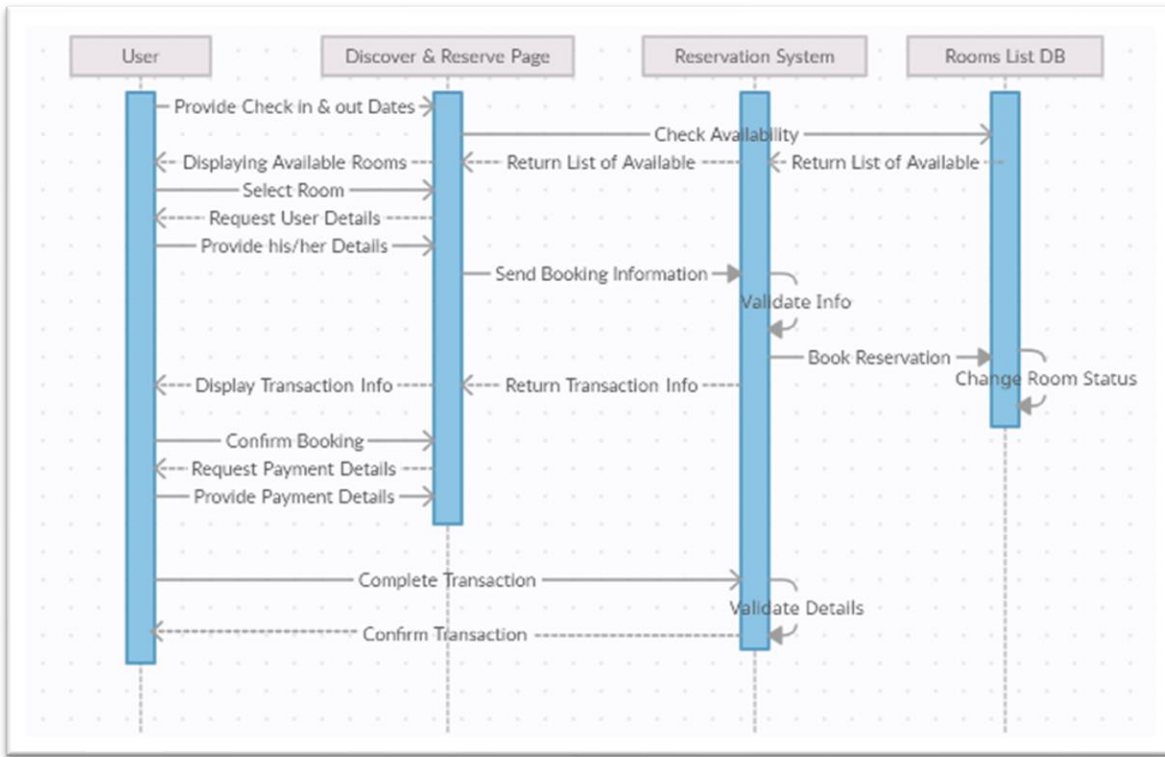


View Financial Reports

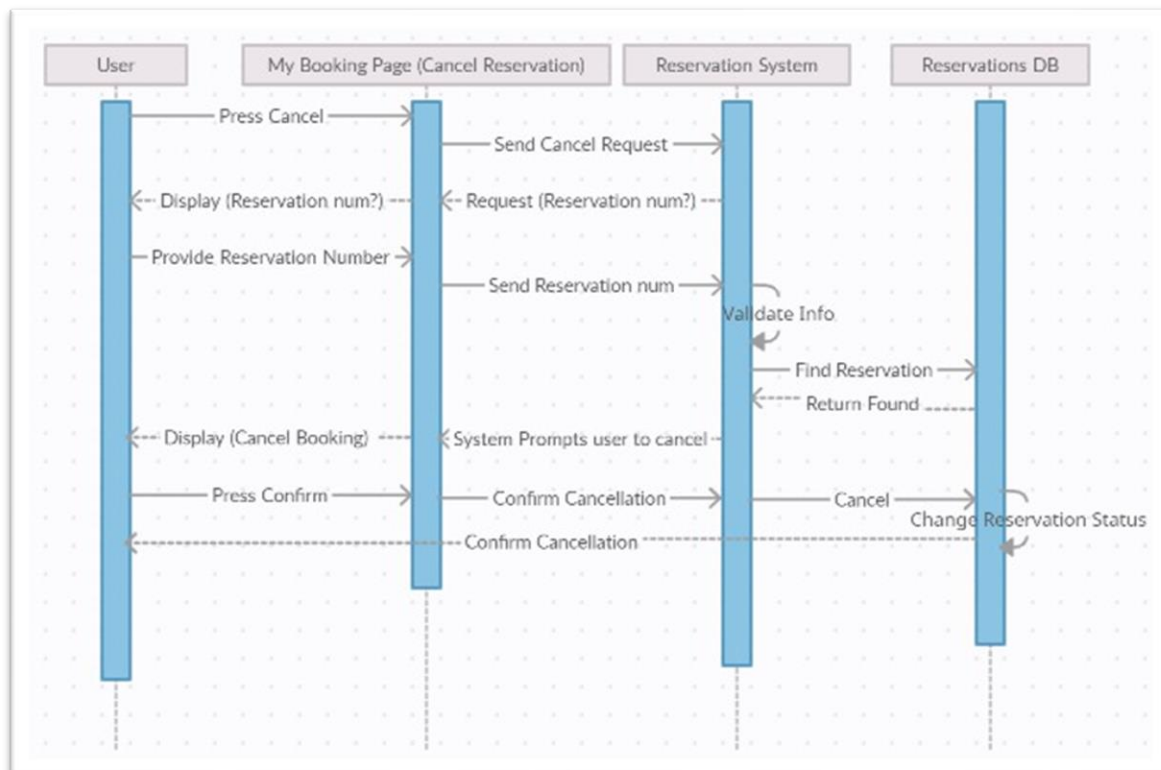
Use Case Name	View Financial Reports.
Actors	Hotel manager.
Main Success Scenario	<ol style="list-style-type: none">1) The hotel manager clicks on “View financialreports” button.2) The system displays a download button.3) The hotel manager presses on download button4) The system downloads a file with all the financialreports.5) The hotel manager opens the file and searches forthe desired financial report.
Pre-condition	Hotel manager should be logged in.
Post-condition	Financial reports are displayed.

6.3. Sequence Diagrams

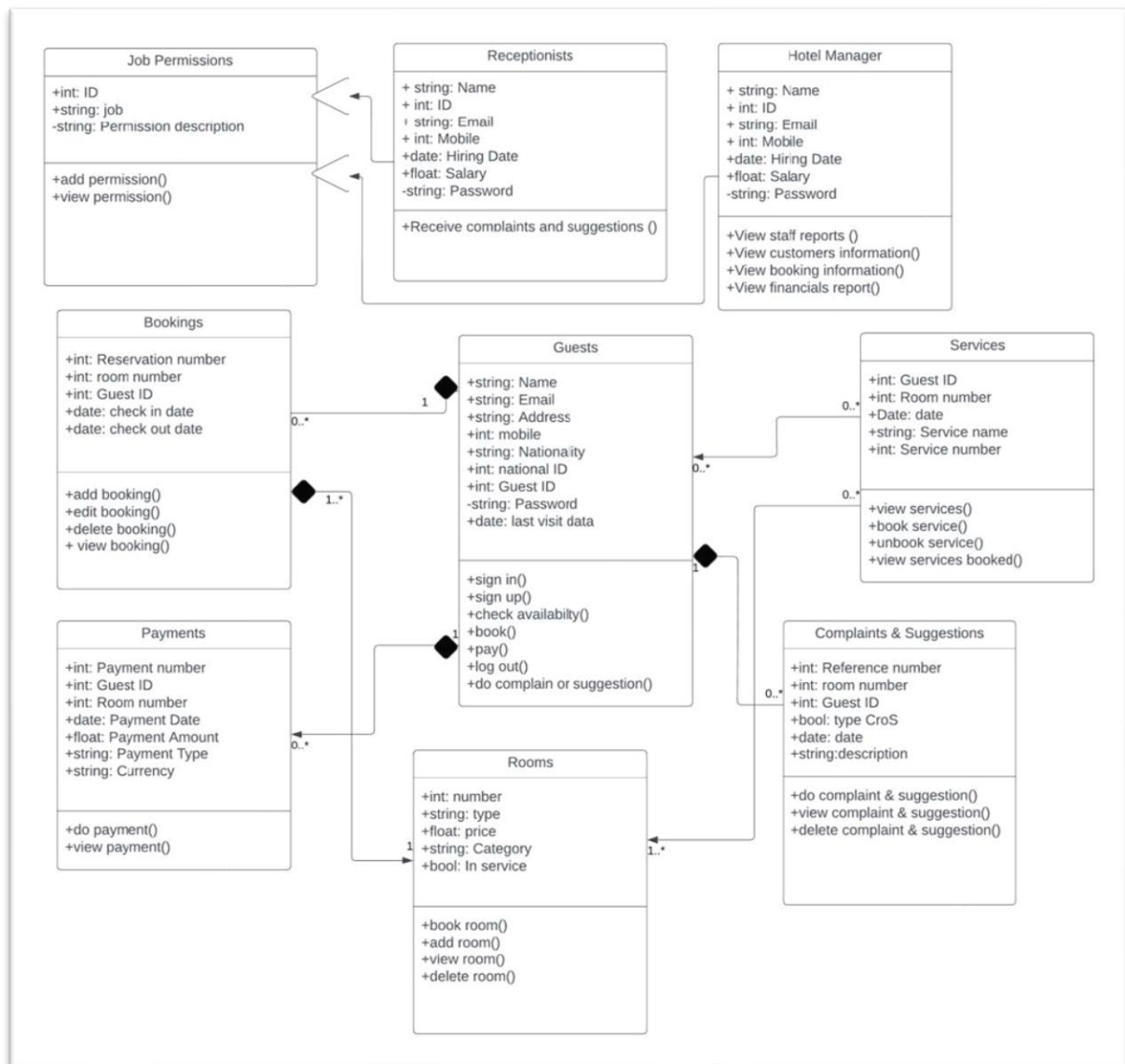
6.3.1. Sequence Diagram for Making a Reservation



6.3.2. Sequence Diagram for Cancelling a Reservation



6.4. Class Diagram



<https://gitlab.com/Moazbadran08/nile-resort-system>