

Hotel Management System

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Title: Hotel Management System

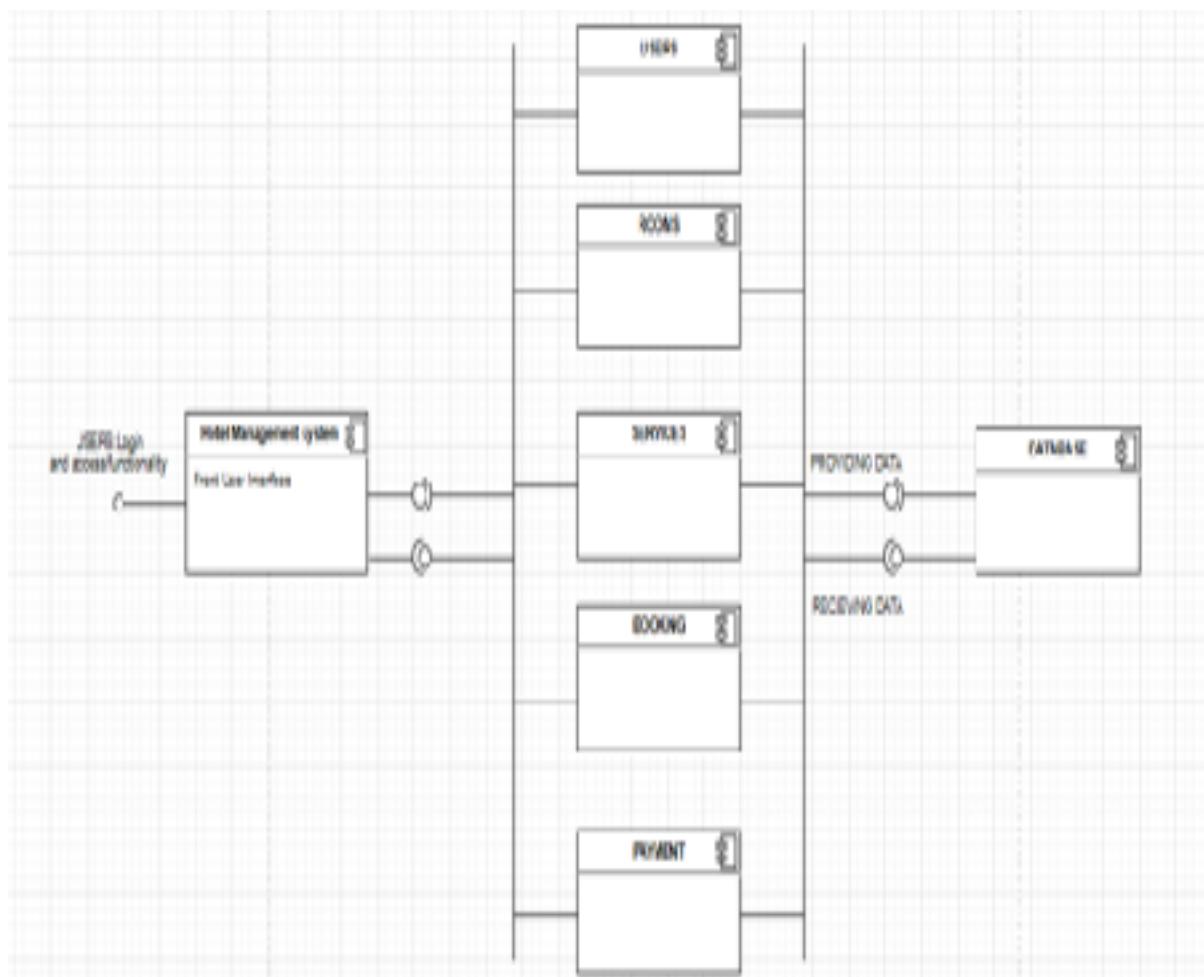
Nature of Project: Web Application

Scope:

Having a management system to provide the service of booking to the customer and to track reports and stats of the hotel will help not to manage the hard papers which are burdensome responsibilities for the management. Our system will be keeping the record of the staff as well as tracking their check-in time. It will be providing keep track from customer booking to customer payment and allow the admin to view statistics about the bookings and finance. The system under discussion is the implementation of the Hotel management system which will automate the major operations of the hotel. The reservation system is to keep records of available rooms. The room management system will manage all types of room services. The system will keep track of all inventories of the hotel. Moreover, the system will maintain the detail of guests (e.g. personal detail, check-in date, check-out date, etc.). The administration department will manage and monitor everything. There will be three end-users: owner, manager, and receptionist. The owner can access all systems without any restrictions. Manager will access all system functionality with limited restriction and receptionist can only access reservation management system.

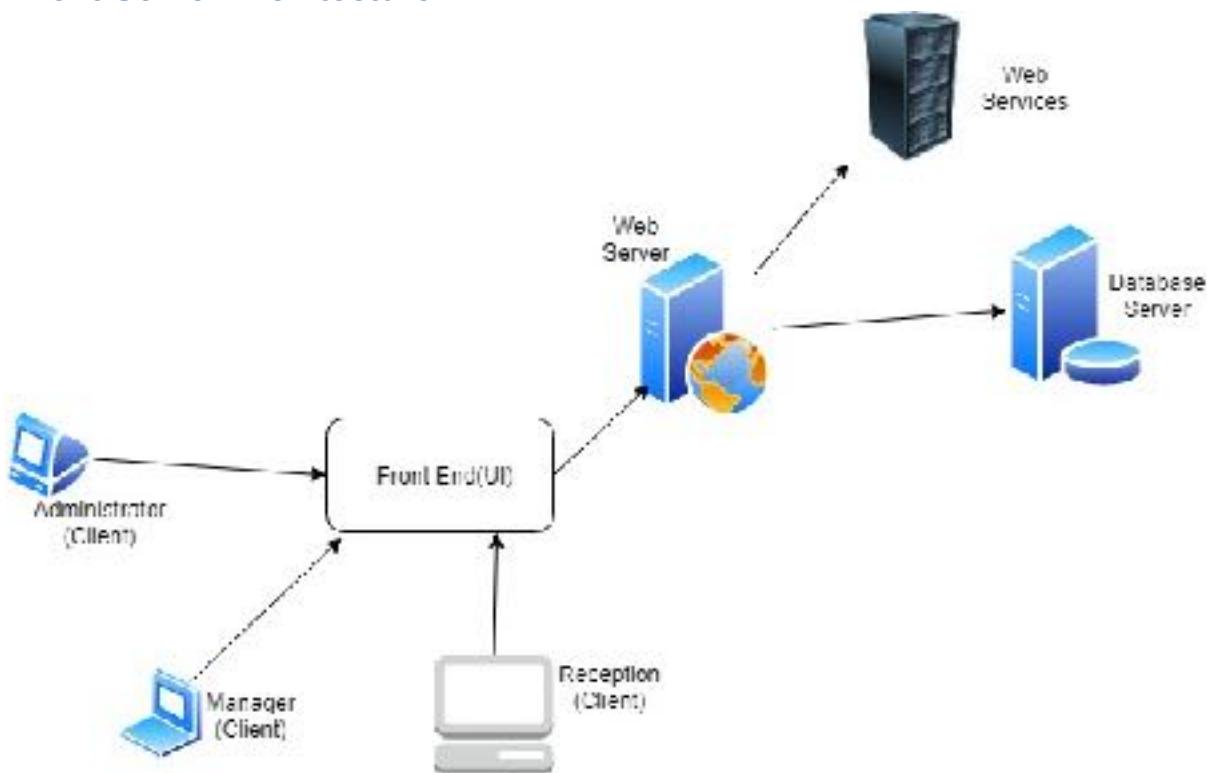
The objective of the automated Hotel Management System is to simplify day by day a lot of processes of the hotel. The system will be able to manage every service in a quick and perfect manner. This system will overcome the drawback caused by a large amount of paper file handling happening in the hotels. Some of the benefits of the development of such systems are safety, ease of use and efficiency and accuracy of information retrieval. We as a developers will also focus on easy to use features of the system.

Component Diagram



Architecture

Client-Server Architecture



It's a client server application as data is stored in database and whoever wants to view, update or Delete data they access the same database with different permissions and apply the functionality they can apply. A front-end is provided to access and modify the database easily and with modern UI.

All Tables (Booking, Payment, PaymentByCard, User, Rooms, Services,) are created in Database and operations (Create, View, Update, Delete) are performed on the same database. So, if one person deletes or update an object, it is deleted or updated for all.

E.g. when a booking object is created, its record is stored in the database. Now whoever can access the database, he is able to modify the booking details.

Product Backlog

Sprint 1 Backlog

Module 1			
User story 1	Sub user story 1.1 Create Account by Phone no.	Corresponding Tasks (Technical Details)	Status
<p>User story name Create Account</p> <p>User story statement As an admin, I want to create an Account to get myself registered in the Hotel Management System.</p> <p>Acceptance Criteria Account has been created successfully.</p> <ul style="list-style-type: none"> Admin can use this account for interaction with the Hotel <p>Failure Scenario Unable to sign up.</p> <ul style="list-style-type: none"> Enter valid Details (pop up) 	<p>Sub user story 1.1 Create Account by Phone no.</p> <p>As an admin, I want to create an account by phone to get myself registered in the system.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> Account has been created successfully. Admin can use this account for interaction with the Hotel <p>Failure Scenario</p> <p>Unable to sign up</p> <ul style="list-style-type: none"> Enter valid Details (pop up) <p>Sub user story 1.2 Create Account by email.</p> <p>As an admin, I want to create an account by email to get myself registered in the system.</p> <p>Acceptance Criteria Account has been created successfully.</p> <ul style="list-style-type: none"> Admin can use this account for interaction with the Hotel <p>Failure Scenario</p> <p>Unable to sign up</p> <ul style="list-style-type: none"> Enter valid Details (pop up) 	<ul style="list-style-type: none"> Connect SQLite db Create Table UserAccounts Create Attributes (id, email, password, phone no.) Create front end authentication form Create form for signing up by email Create form for signing up by phone Add records to database If username already exist, throw error If email already exist, throw error If phone no. already exist, throw error If terms are not agreed, throw error If record is added into database correctly, account is created. 	Completed within planned time.

User story 2	Sub user story 2.1 Log in by Phone no.	Corresponding Tasks (Technical Details)	Status
<p>User story name Sign up</p> <p>User story statement As an admin, I want to sign in so that I can have access to my account.</p> <p>Acceptance Criteria User has been logged in successfully</p> <p>Failure Scenario Unable to login due to corresponding failure for log in <ul style="list-style-type: none"> • Incorrect username entered • Incorrect password entered. </p>	<p>Acceptance Criteria As an admin, I want to log in by phone so that I can have access to my account.</p> <p>Failure Scenario Unable to login due to corresponding failure for log in <ul style="list-style-type: none"> • Incorrect phone No entered • Incorrect password entered </p> <p>Sub user story 2.2 Log in by email. As an admin, I want to log in by email so that I can have access to my account.</p> <p>Acceptance Criteria User has been logged in successfully</p> <p>Failure Scenario Unable to login due to corresponding failure for log in <ul style="list-style-type: none"> • Incorrect email entered • Incorrect password entered </p>	<ul style="list-style-type: none"> • Connect to SQLite db. • Create Instance of UserAccounts • Create form for log in • Retrieve (id, password from form) • If ID is not in username, check id in email • If ID is not in email, check id in phone • If ID is not is phone, throw error User doesn't exist • If ID is in email, username or phone, match password • If password doesn't match throw error • Create Session of the user if password matches • Delete User session is user logs out 	Completed within planned time.

Module 2			
User story 3		Corresponding Tasks (Technical Details)	Status
<p>User story name Add Room</p> <p>User story statement As an admin, I want to add a room in records so that I can book a room.</p> <p>Acceptance Criteria The room has been added successfully.</p> <p>Failure Scenario Room details are not added in records due to Database failure.</p>		<ul style="list-style-type: none"> • Connect to Sqlite db • Create Table Room • Add attributes(id, capacity, floor) • Create Front end Form • Create Instance • Add Instance to database • If room is already in the database, throw error. 	Completed within planned time.
<p>User story 4</p> <p>User story name Update Room</p> <p>User story statement As an admin, I want to update the room details so that I can manage better records.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • Details of the room have been updated successfully. • Updated room can be booked. <p>Failure Scenario “Error in updating room details” (popup).</p>		<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect to SQLite db. • Access Table Room • Create Front end form • If room exist, update the record • If room doesn't exist, throw error 	Completed within planned time.

User story 5		Corresponding Tasks (Technical Details)	Status
<p>User story name Remove Room</p> <p>User story statement As an admin, I want to remove a room in records so that I can manage to book again.</p> <p>Acceptance Criteria The room has been removed successfully.</p> <p>Failure Scenario “Cannot remove room” (pop up)</p>		<ul style="list-style-type: none"> • Connect to SQLite db. • Create Front end form • If room exist, delete the record • If room doesn't exist, throw error 	Completed within planned time.

Sprint 2 Backlog

Module 2 (Manage Packages)

<p>User story 6</p> <p>User story name Add Services</p> <p>User story statement As an admin, I want to add services so that I can allocate service in the booking.</p> <p>Acceptance Criteria Services have been added successfully. <ul style="list-style-type: none"> • These services are now available for customers to avail. </p> <p>Failure Scenario <ul style="list-style-type: none"> • Service details are not added in records due to Database failure. Service cannot be availed. </p>	<p>Sub user story 6.1 Add Room Services As an admin, I want to add room services so that I can get services to make customer booking.</p> <p>Acceptance Criteria Room Services have been added successfully <ul style="list-style-type: none"> • These services are now available for customers to avail. </p> <p>Failure Scenario Room Services details are not added in records due to Database failure. Service cannot be availed. <ul style="list-style-type: none"> • Error in adding service (pop up) </p> <p>Sub user story 6.2 Add Food Services As an admin, I want to add food services so that I can get services to make customer booking.</p> <p>Acceptance Criteria Food Services have been added successfully. <ul style="list-style-type: none"> • These services are now available for customers to avail. </p> <p>Failure Scenario Food Services details are not added in records due to</p>	<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect SQLite db. • Create Table services 	<p>Status Completed within planned time.</p>
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<p>User story 7</p> <p>User story name Update Services</p> <p>User story statement As an admin, I want to edit services so that I can keep updated services in record.</p> <p>Acceptance Criteria Services have been updated or edited successfully.</p> <p>Failure Scenario 'Cannot edit service' (pop up)</p>	<p>Sub user story 7.1 Update Room Services As an admin, I want to update room services so that I can keep updated services in record.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • Room Services have been edited successfully. <p>Failure Scenario</p> <ul style="list-style-type: none"> • 'Cannot edit room service' (pop up) <p>Sub user story 7.2 Update Food Services As an admin, I want to update food services so that I can keep updated services in record.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • Food Services have been edited successfully. <p>Failure Scenario</p> <ul style="list-style-type: none"> • 'Cannot edit food service' (pop up) 	<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect SQLite db. 	<p>Status Completed within planned time.</p>
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<p>User story 8</p> <p>User story name Remove Services</p> <p>User story statement As an admin, I want to remove services so that I can discard those services which are not useful. Acceptance Criteria</p> <ul style="list-style-type: none"> • Services have been removed successfully. <p>Failure Scenario</p> <ul style="list-style-type: none"> • Failure of removal of service from record cause to offer an unavailable service. • 'Cannot remove service' (pop up) 	<p>Sub user story 8.1 Remove Room Services As an admin, I want to remove room services so that I can discard those services which are not useful.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • Room Services have been removed successfully. <p>Failure Scenario</p> <ul style="list-style-type: none"> • Failure of removal of Room service from record cause to offer an unavailable service. <p>Sub user story 8.2 Remove Food Services As an admin, I want to remove food services so that I can discard those services which are not useful.</p> <p>Acceptance Criteria Food Services have been removed successfully.</p> <p>Failure Scenario Failure of removal of food service from record cause to offer an unavailable service.</p>	<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect SQLite db. 	<p>Status Completed within planned time.</p>
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Module 3 (View Packages)			
User story 9		Corresponding Tasks (Technical Details)	Status
<p>User story name View Services</p> <p>User story statement As an admin, I want to view services so that I can keep checking on services to offer</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> Services interface have been displayed successfully. <p>Failure Scenario</p> <ul style="list-style-type: none"> 'Error in viewing services' (pop up) 		<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> Connect SQLite db. 	Completed within planned time.

<p>User story 10</p> <p>User story name View Rooms</p> <p>User story statement As an admin, I want to view Rooms so that I can check free rooms and allocate them to the booking process.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • The services interface has been displayed successfully <p>Failure Scenario:</p> <ul style="list-style-type: none"> • “Error in viewing room details” (pop up) 		<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect SQLite db. 	<p>Status Completed within planned time.</p>
<p>Module 4 (Manage Bookings)</p>			

<p>User story 11</p> <p>User story name Make Booking</p> <p>User story statement As an admin, I want to make a booking so that I can provide rooms to the customer for staying.</p> <p>Acceptance Criteria</p> <ul style="list-style-type: none"> • Booking has been done successfully <p>Failure Scenario:</p> <ul style="list-style-type: none"> • “Error in making booking” (pop up) 		<p>Corresponding Tasks (Technical Details)</p> <ul style="list-style-type: none"> • Connect SQLite db. 	<p>Status Completed within planned time.</p>
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Sprint 3 Backlog

Module 4 (Manage Bookings)			
User story 12	Sub user story	Corresponding Tasks (Technical Details)	Status
<p>User story name View Booking</p> <p>User story statement As an admin, I want to view a booking so that I can assure the details of booking.</p> <p>Acceptance Criteria Booking has been viewed successfully.</p> <p>Failure Scenario “Error in viewing booking” (pop up).</p>	<p>12.1 Search By Customer Name As an admin, I want to search booking by customer name so that I can view the details of booking.</p> <p>Acceptance Criteria Booking has been viewed successfully by name.</p> <p>Failure Scenario “Error in viewing booking” (pop up).</p> <p>Sub user story 12.2 Search By Date As an admin, I want to search booking by date so that I can view the details of booking.</p> <p>Acceptance Criteria Booking has been viewed by date successfully.</p> <p>Failure Scenario “Error in viewing booking by date” (pop up).</p>	<ul style="list-style-type: none"> • Connect SQLite db. • Get Table Booking • Retrieve All Bookings which are active • Show booking list on web front-end • If booking is selected, show booking details on front-end • If booking is searched by Name, Check If name is Invalid, throw error • If booking is searched by Date, Check If date is Invalid, throw error • If Searched and query is valid, retrieve queried object from database and send list on front end • If Searched query is clear, show all bookings 	<p>Completed within planned time.</p>

User story 13		Corresponding Tasks (Technical Details)	Status
<p>User story name Drop Booking</p> <p>User story statement</p> <p>As an admin, I want to drop booking so that I can give free rooms to provided customers.</p> <p>Acceptance Criteria Booking has been canceled successfully.</p> <p>Failure Scenario Invalid information entered “error in cancelation”.</p>		<ul style="list-style-type: none"> • Connect SQLite db. • Get Table Booking Object • Show Booking Object • Check If booking doesn't exist, throw error • If booking exist, Drop Booking • send message to front-end booking dropped. 	Completed within planned time.

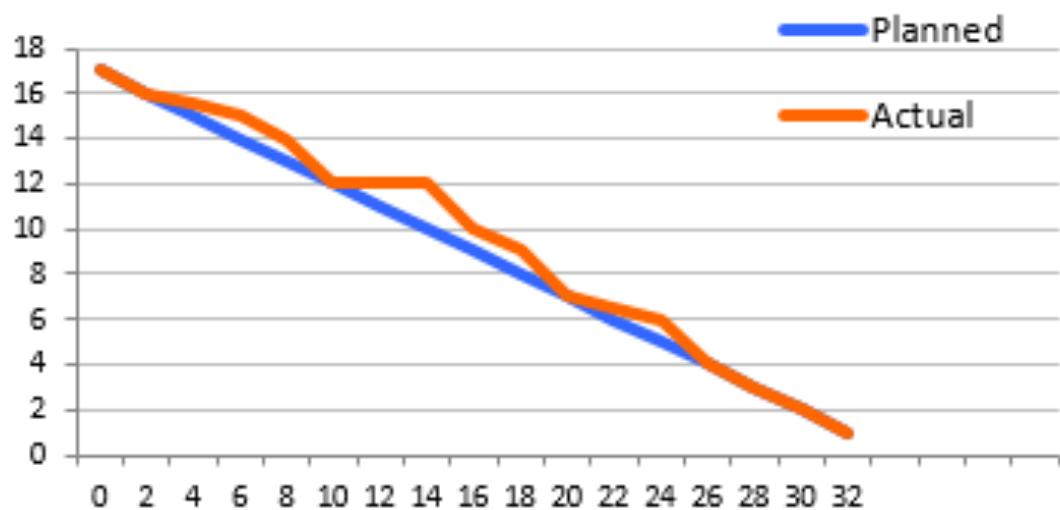
User story 14		Corresponding Tasks (Technical Details)	Status
User story name Edit Booking User story statement As an admin, I want to edit Booking so that I can change packages I choose while booking. Acceptance Criteria Booking has been edited successfully. <ul style="list-style-type: none"> • Packages are changed according to requirements. Failure Scenario “Failed to update booking” (pop up).		<ul style="list-style-type: none"> • Connect SQLite db. • Get Table Booking • Get object from table • Show data on front end • If Updating fields are incorrect, throw error • If Fields are valid, update booking • Show Message on front end, booking is updated. 	Completed within planned time.
Module 5 (Manage Payment)			

User story 15	Sub user story	Corresponding Tasks (Technical Details)	Status
<p>User story name Add payment</p> <p>User story statement As an admin, I want to Add payment so that customers can pay their bill.</p> <p>Acceptance Criteria Bill has been prepared successfully.</p> <ul style="list-style-type: none"> • Users can pay the bill according to the services availed. <p>Failure Scenario “Failure in making payment”(pop up).</p>	<p>15.1 Add payment by Credit Card As an admin, I want to Add payment by Credit Card so that customers can pay their bill.</p> <p>Acceptance Criteria Bill has been prepared for credit card successfully.</p> <ul style="list-style-type: none"> • Users can pay the bill according to the services availed. <p>Failure Scenario “Failure in making payment” (pop up).</p> <p>Sub user story 15.2 Add payment by Cash As an admin, I want to Add payment by Cash so that customers can pay their bill.</p> <p>Acceptance Criteria Bill has been</p>	<ul style="list-style-type: none"> • Connect SQLite db. • Create Table PaymentByCard • Create Table Payment • Get Table Booking • Get Booking Object • If PaymentByCash, Update Values on Payment and Store the instance in booking.payment • If PaymentByCard, Create Object of PaymentByCard • Create Object Payment • Update Payment.ByCard with PaymentByCard • Update Other Payment Fields • Update booking.payment with Payment • If Fields are invalid, throw error • If paid, show message on front-end ‘Booking Successful’ 	Completed within planned time.

Module 6 (Reports)			
User story 16 User story name Booking Report		Corresponding Tasks (Technical Details)	Status
<p>User story statement As an admin, I want to generate reports so that I can have a record of all the bookings.</p> <p>Acceptance Criteria Successful generation of reports.</p> <ul style="list-style-type: none"> Reports show the details of billing according to selected packages. <p>Failure Scenario “Error in report generation” (pop up).</p>		<ul style="list-style-type: none"> Connect SQLite db. Get Table Bookings Retrieve From and To Date from front end If Invalid, throw error If Valid Show bookings Calculate total bookings Calculate Dropped Bookings Calculate Active Booking Show Stats On Front-End 	Completed within planned time.

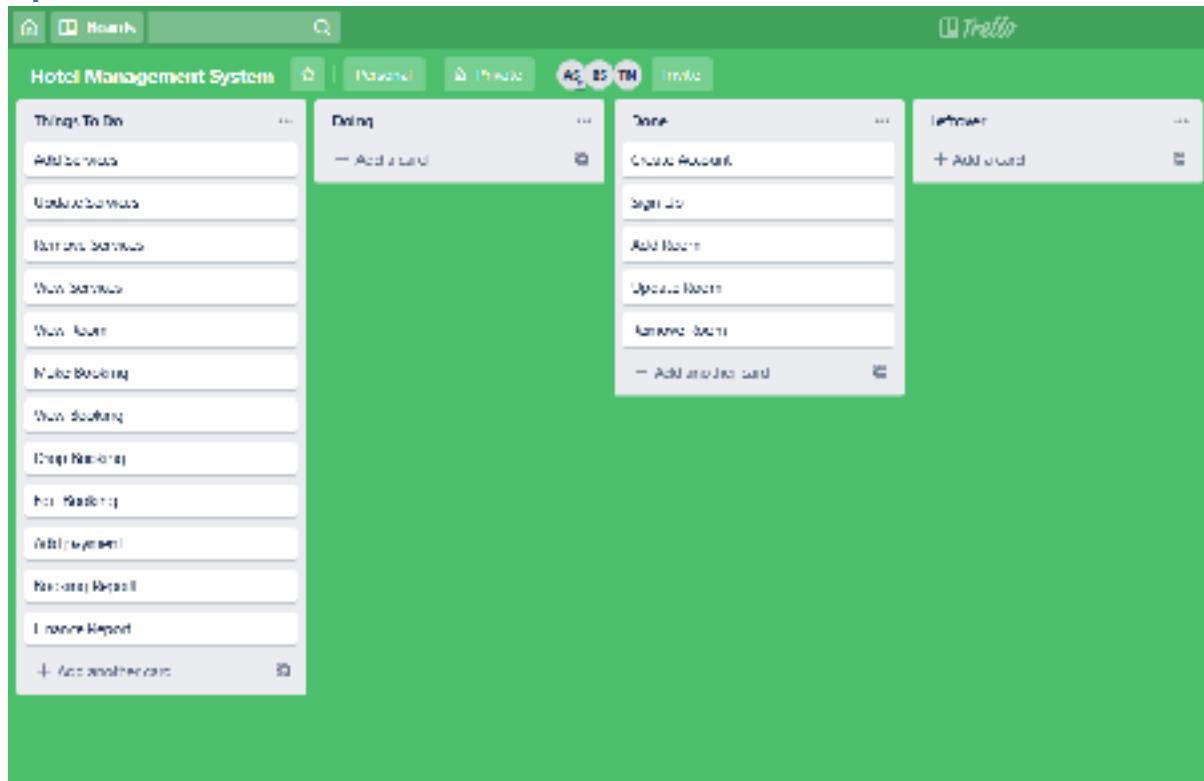
User story 17		Corresponding Tasks (Technical Details)	Status
<p>User story name Finance Report</p> <p>User story statement As an admin, I want to generate reports so that I can have a record of all the finances.</p> <p>Acceptance Criteria Successful generation of financial reports.</p> <ul style="list-style-type: none"> Reports show the details of billing on selected intervals of time (weekly or monthly).. <p>Failure Scenario “Error in report generation” (pop up).</p>		<ul style="list-style-type: none"> Connect SQLite db. Get Table Bookings Retrieve From and To Date from front end If Invalid, throw error If Valid Show Payments Calculate total Payment Calculate Dropped Payment Calculate Loss Show Stats On Front-End 	Completed within planned time.

Product Burndown Chart

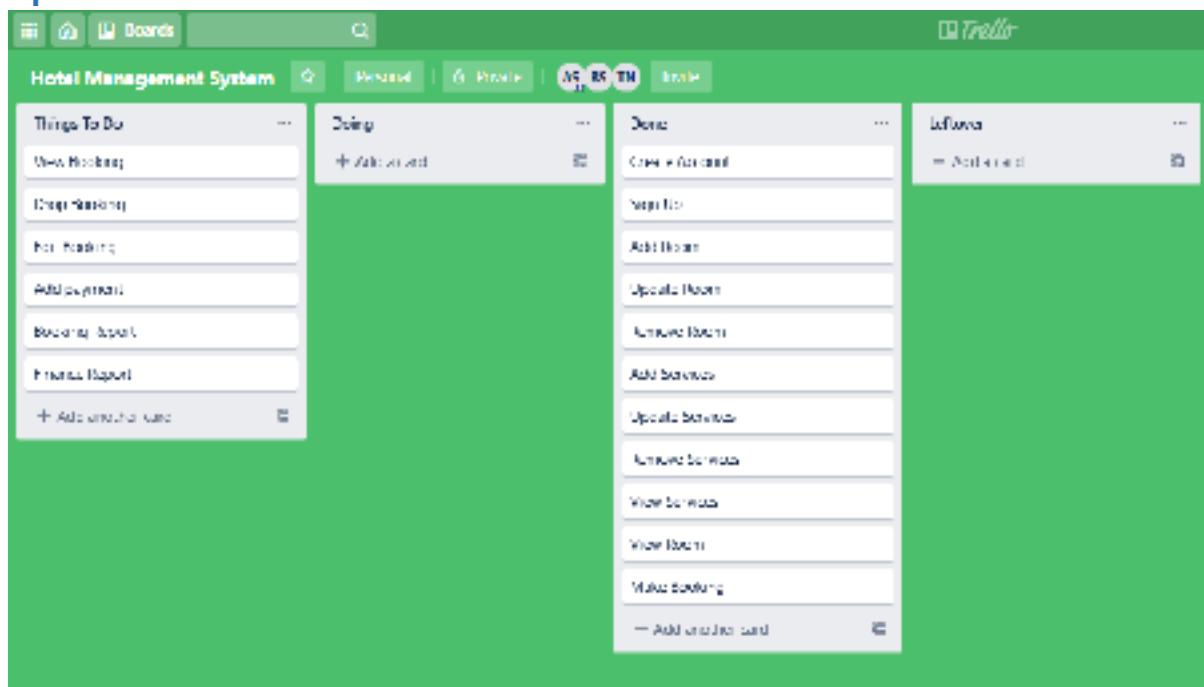


Trello Snapshots

Sprint 1



Sprint 2



Sprint 3

The screenshot shows a Trello board titled "Hotel Management System". The board has four lists:

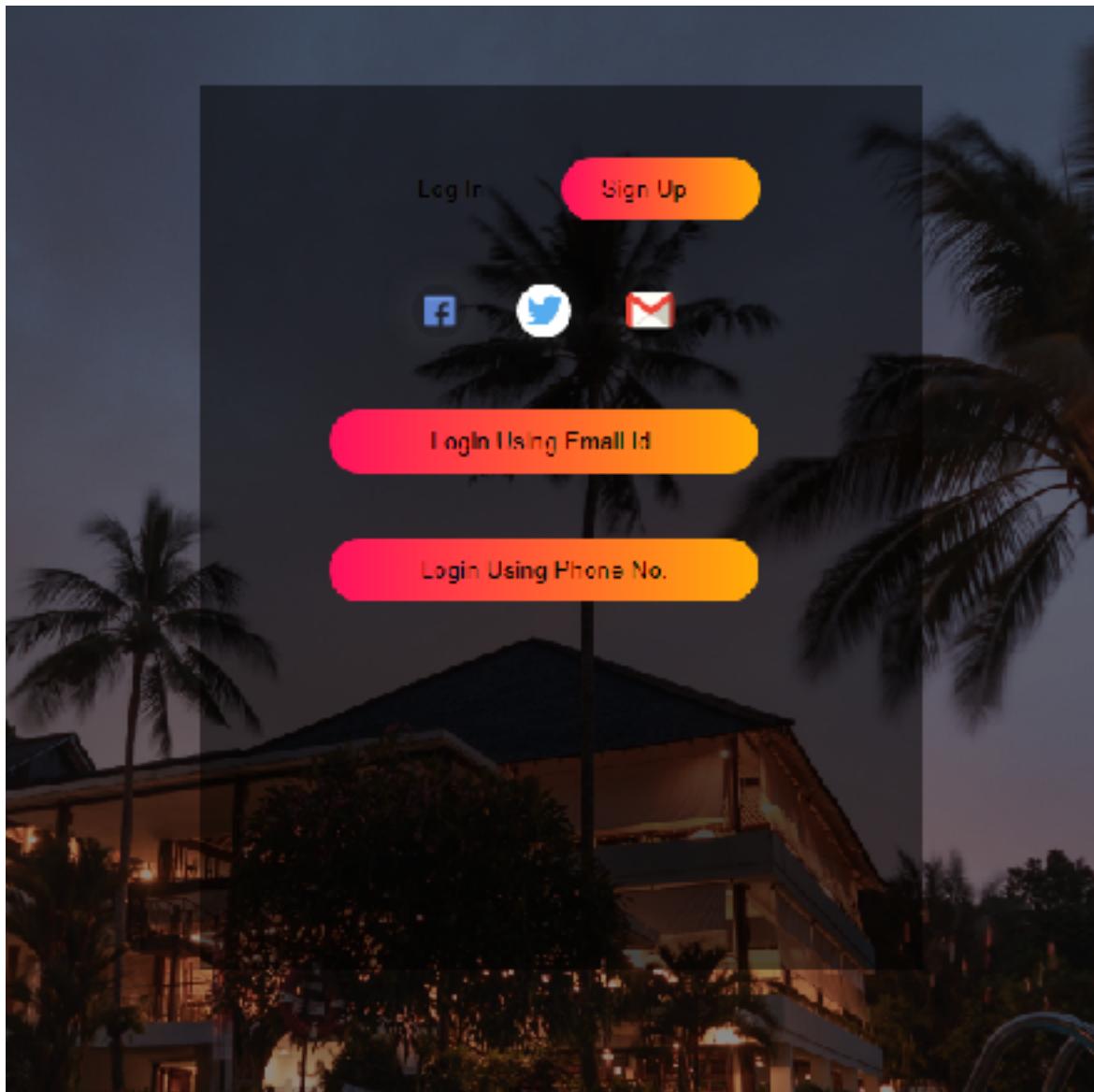
- To Do:**
 - + Add account
- Doing:**
 - + Add account
- Done:**
 - Create Account
 - Sign Up
 - Add Room
 - Bookable Room
 - Reserve Room
 - Add Services
 - Bookable Services
 - Reserve Services
 - Show Services
 - Show Room
 - Make Booking
 - Show Booking
 - Drop Booking
 - Not Booking
 - Add Payment
 - Reserve Deposit
 - Create Report
 - + Add account the end
- Follows:**
 - + Add account

Graphical User Interface (GUI)

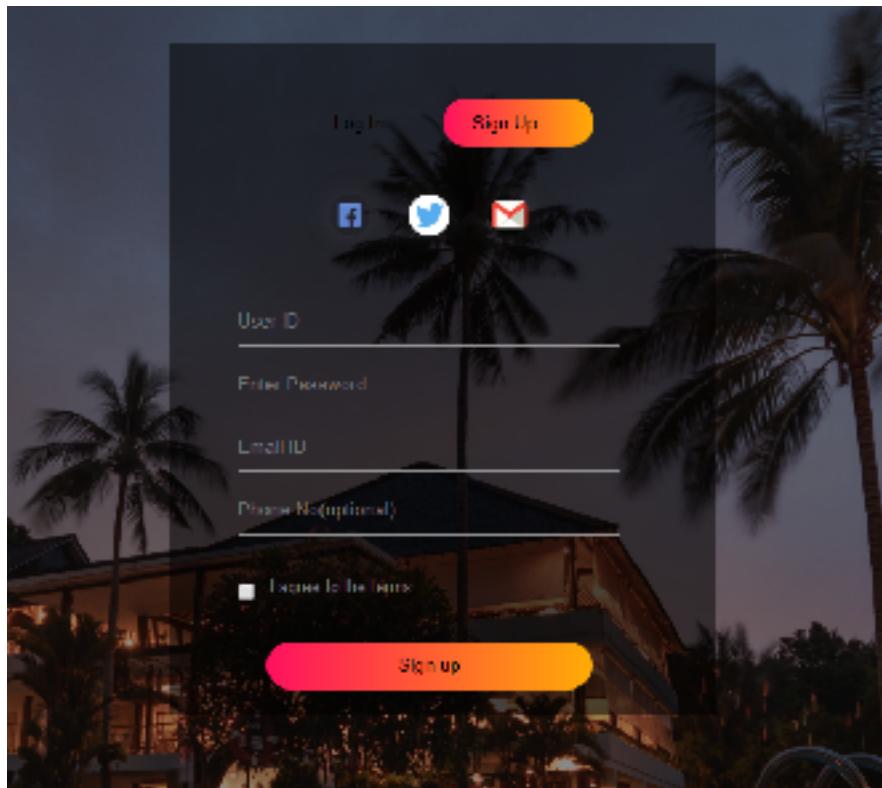
UI DESIGNS

User Story 1

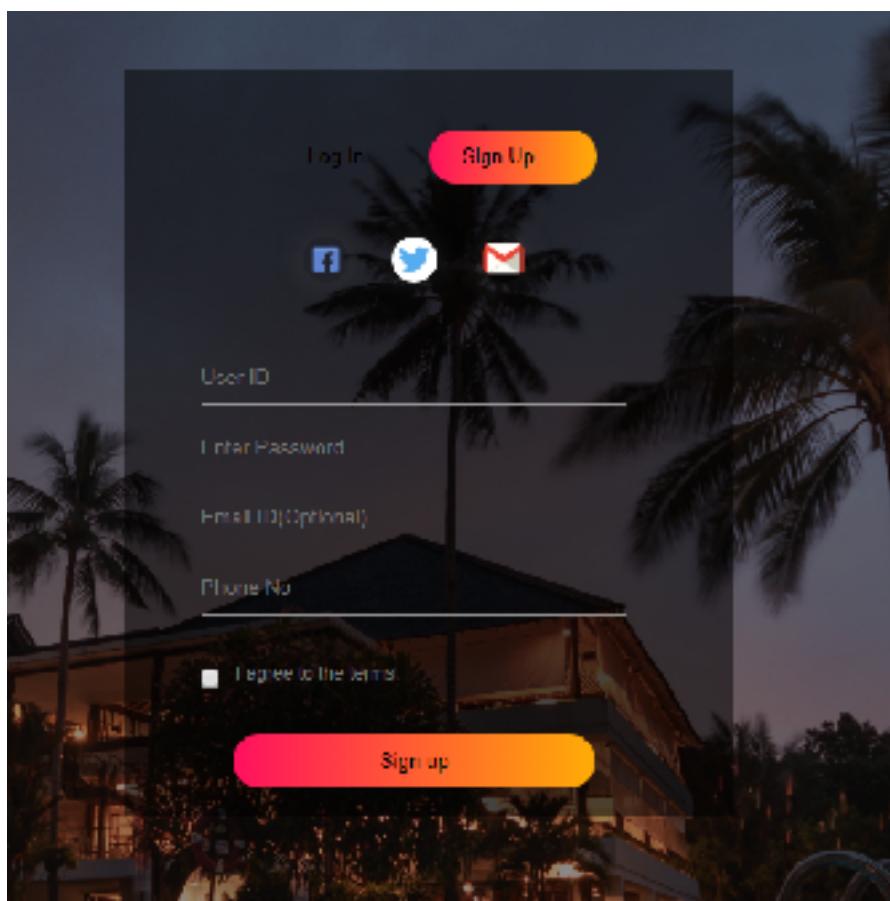
Sign up Form



1.1 Sign up Using Email

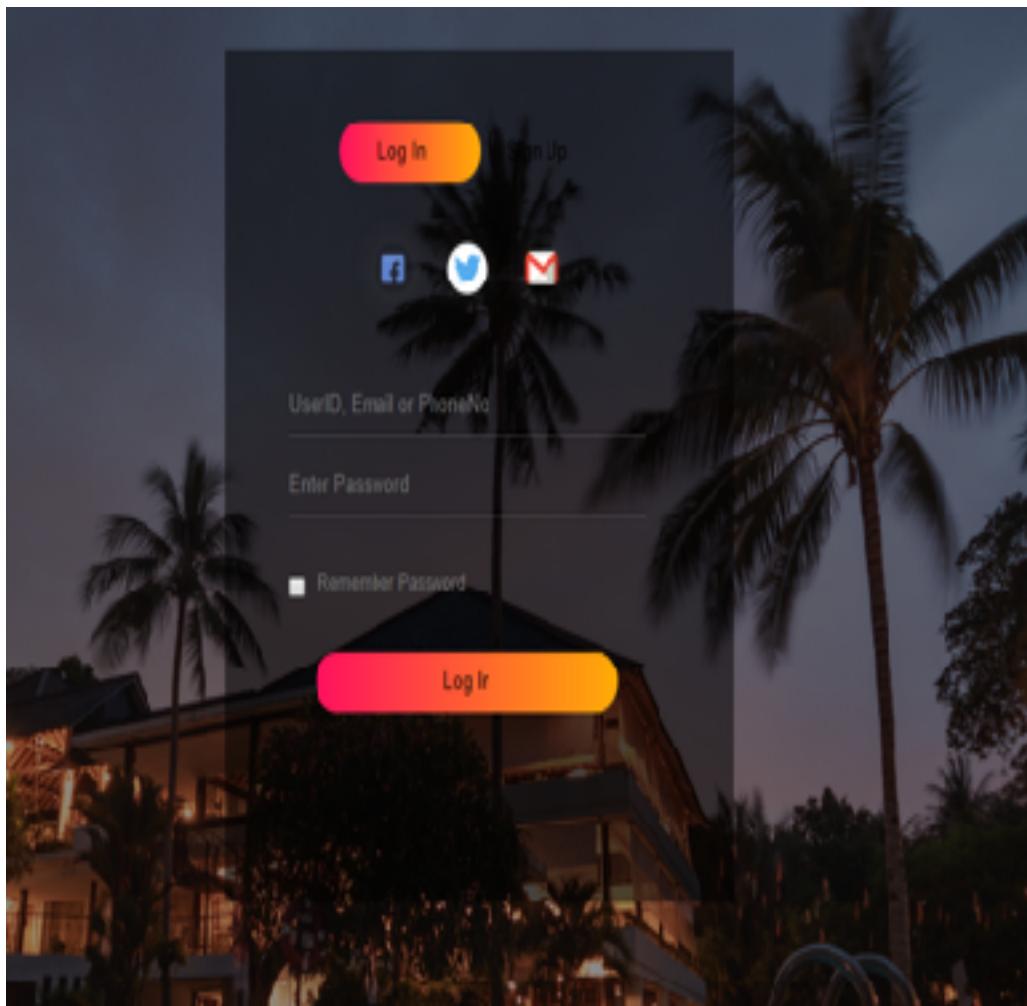


1.2 Sign up Using Phone



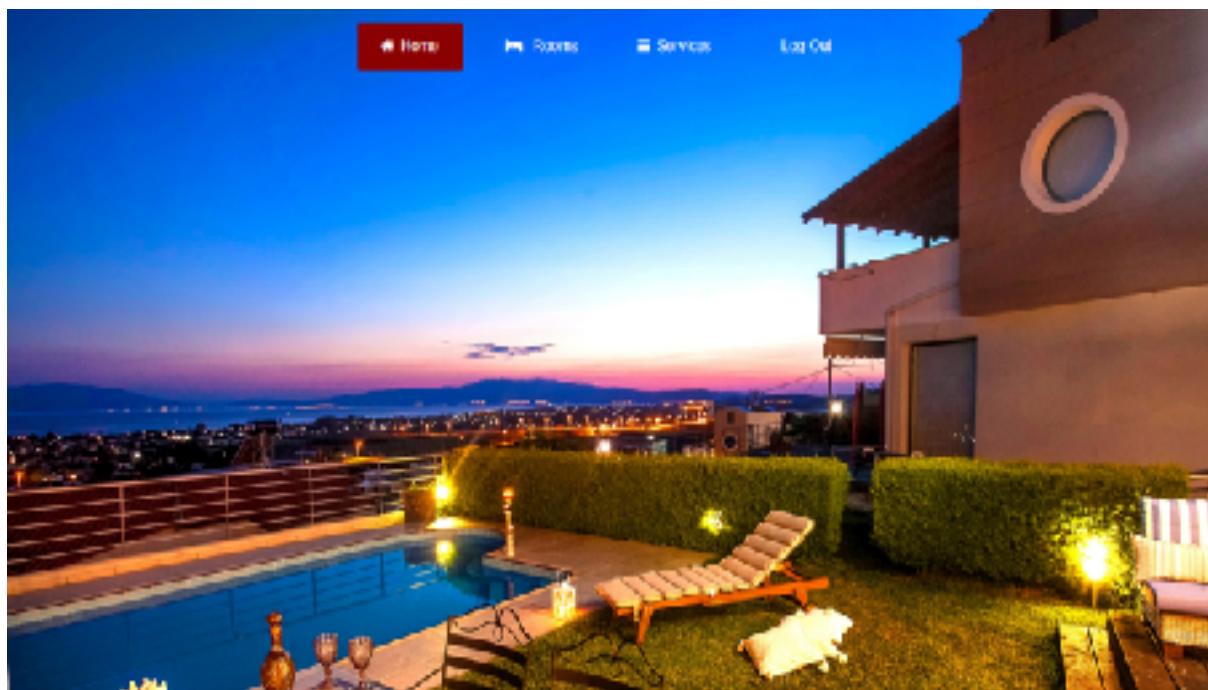
User Story 2

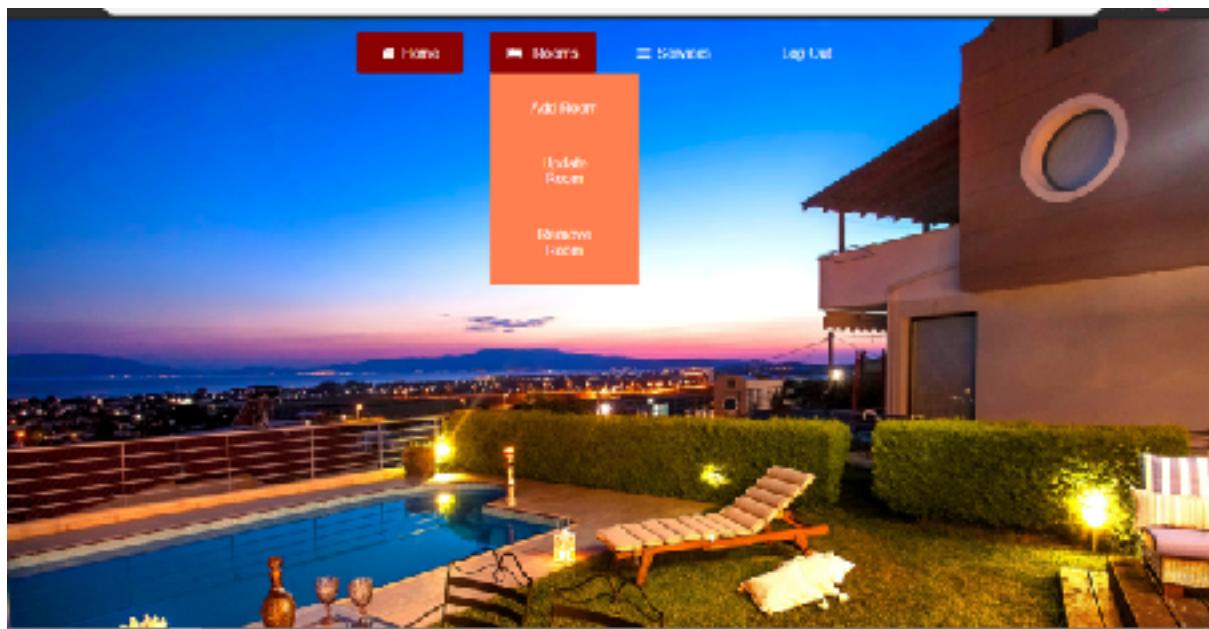
Log In Form



User Story 3

Add Room





Add Room

Room No

Enter Room No

Capacity

No of people

Floor No

Unit

Submit

Cancel

A large, semi-transparent overlay image of a modern interior space. The room features a large sofa, a coffee table, and floor-to-ceiling windows that offer a panoramic view of a city skyline at dusk or night. The overall atmosphere is sophisticated and airy.

User Story 4

Update Room

Update Room

Room No
A5

Capacity
30

Floor No
Second

Room Updated.

[Submit](#)

[Back To Home](#)



User Story 5

Delete Room

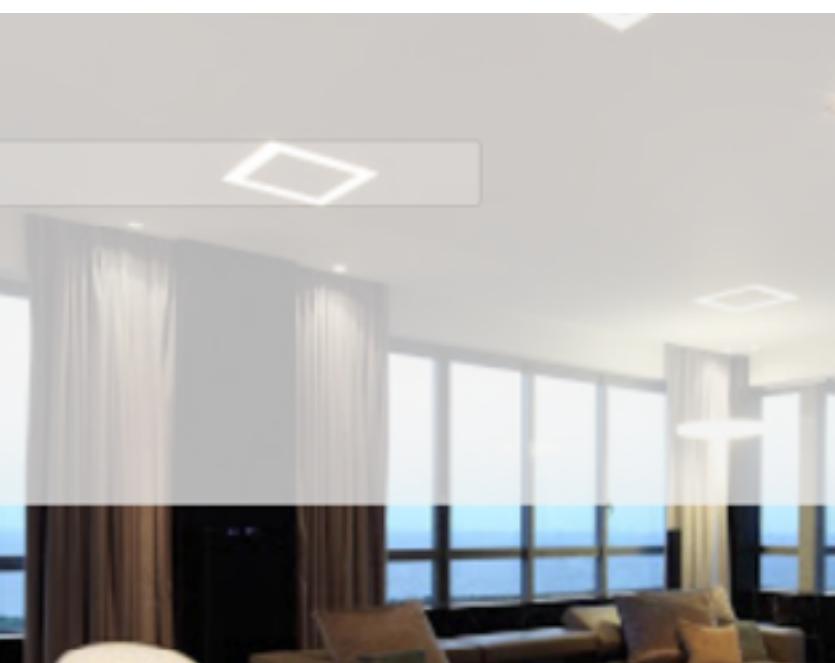
Remove Room

Room No
A5

Room Deleted.

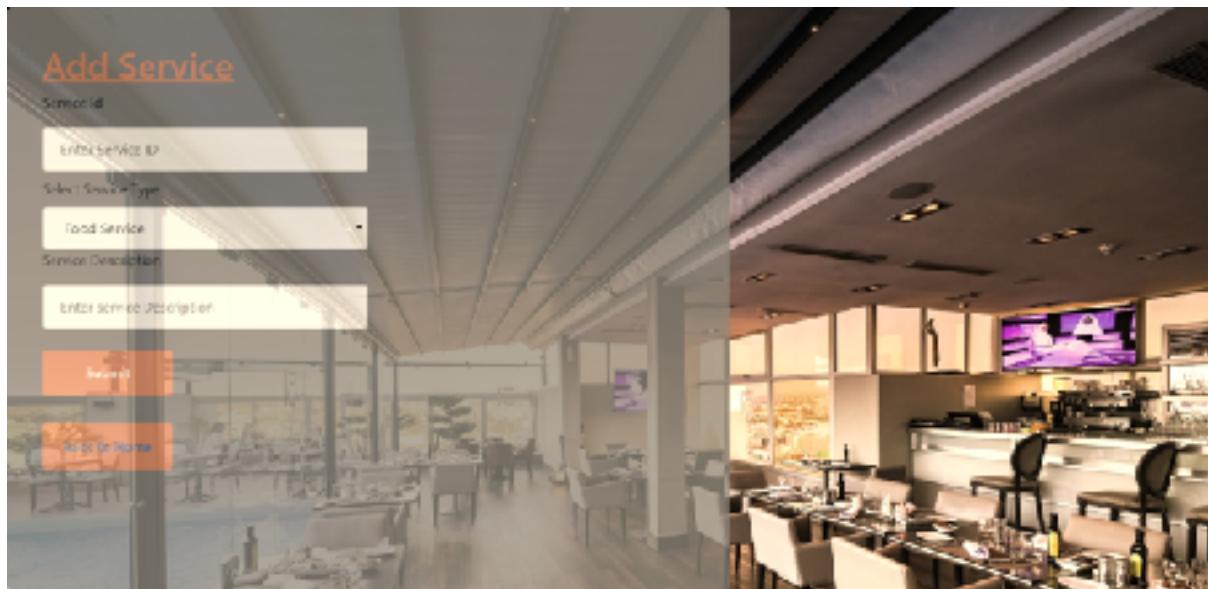
[Submit](#)

[Back To Home](#)



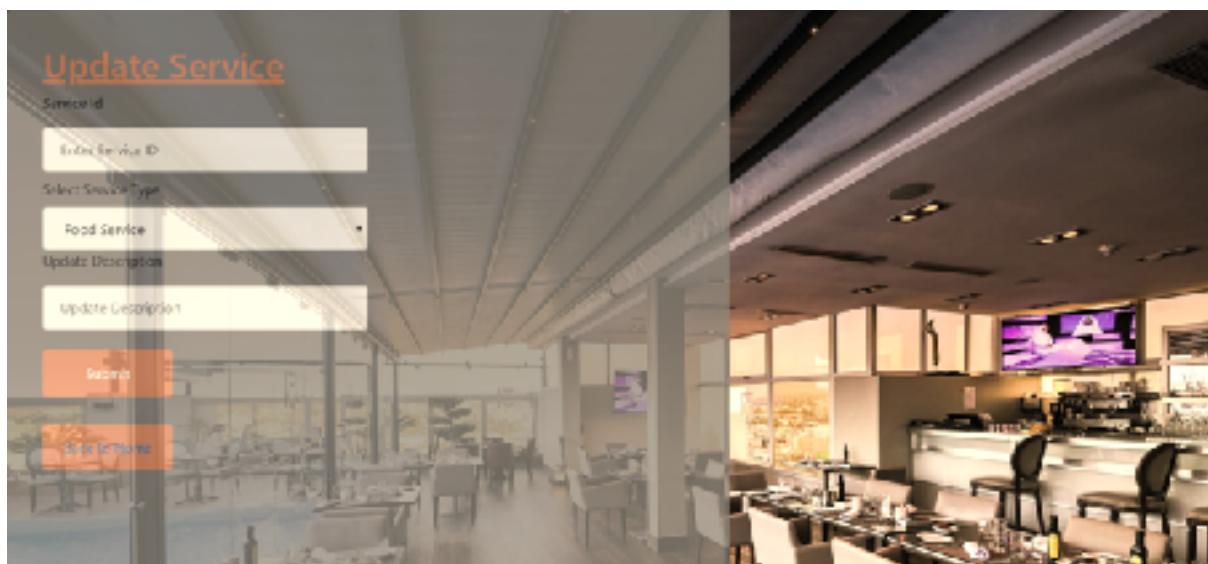
User Story 6

Add Services



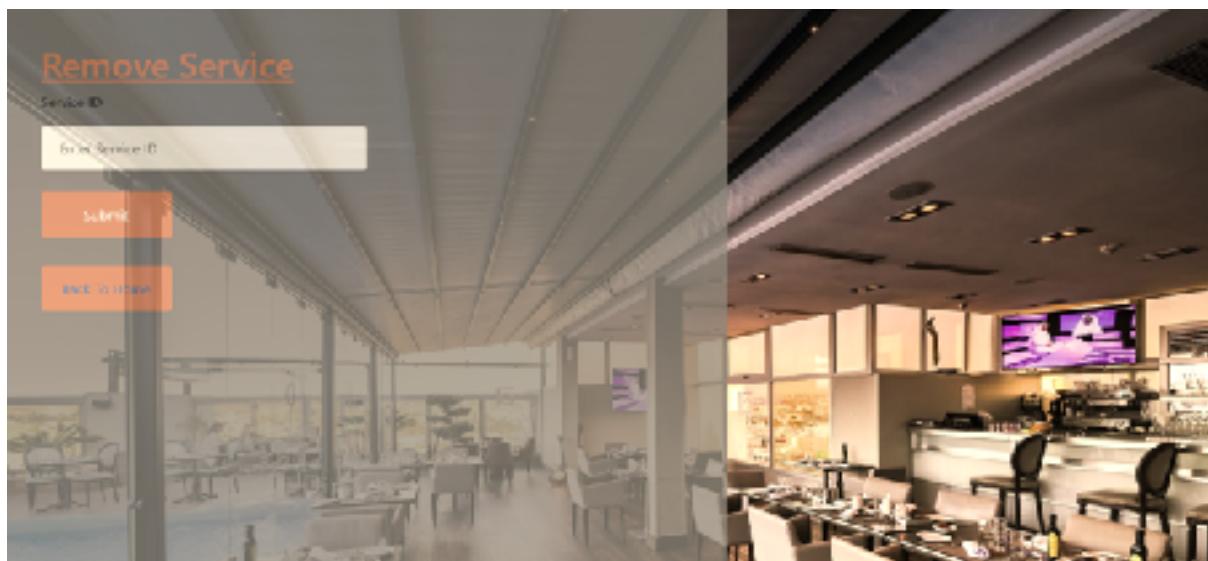
User Story 7

Update Services



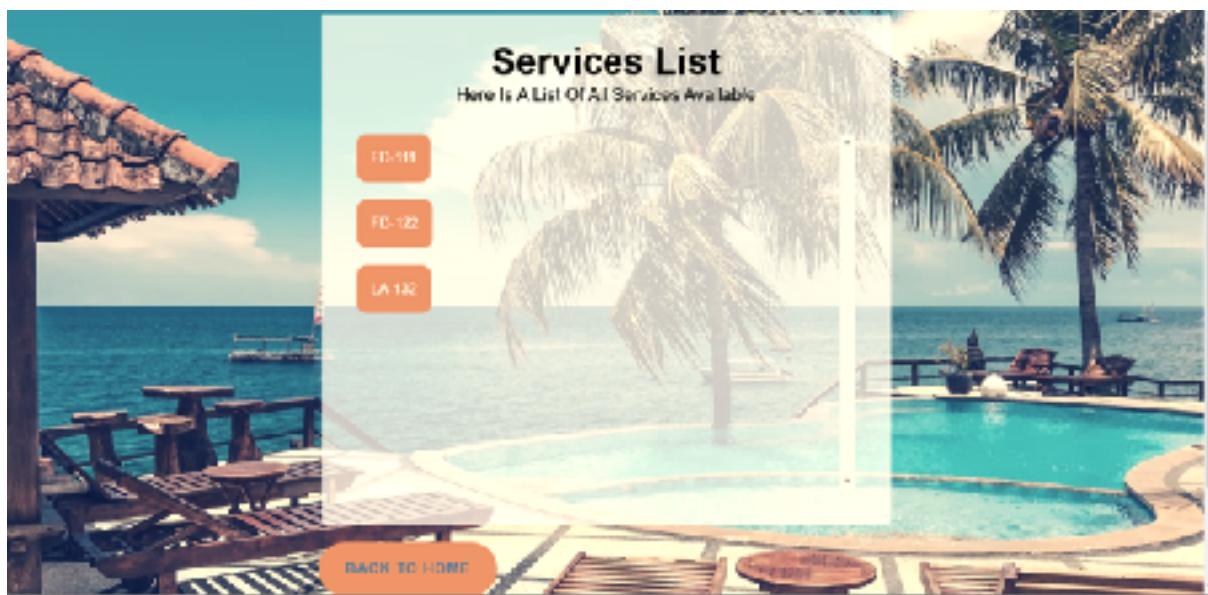
User Story 8

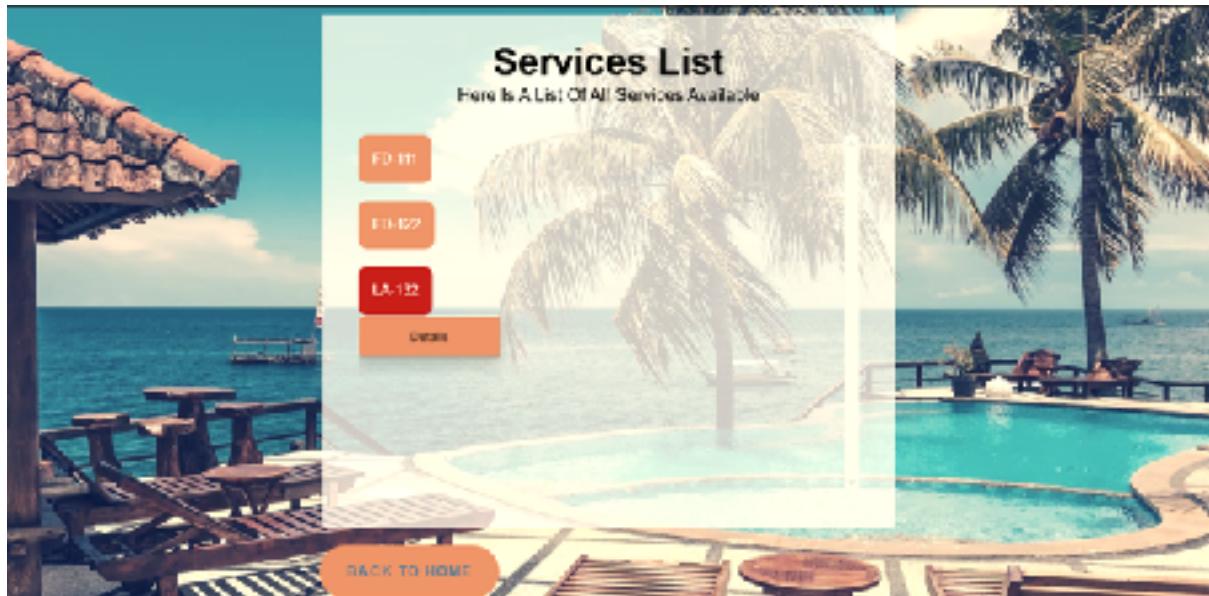
Update Services



User Story 9

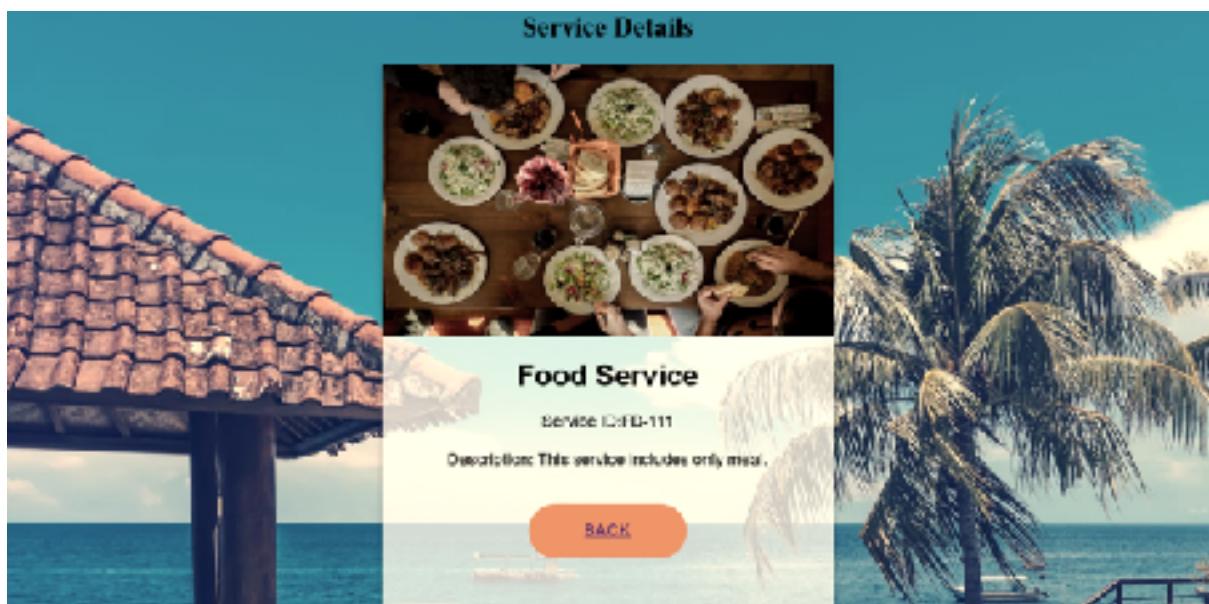
View Services





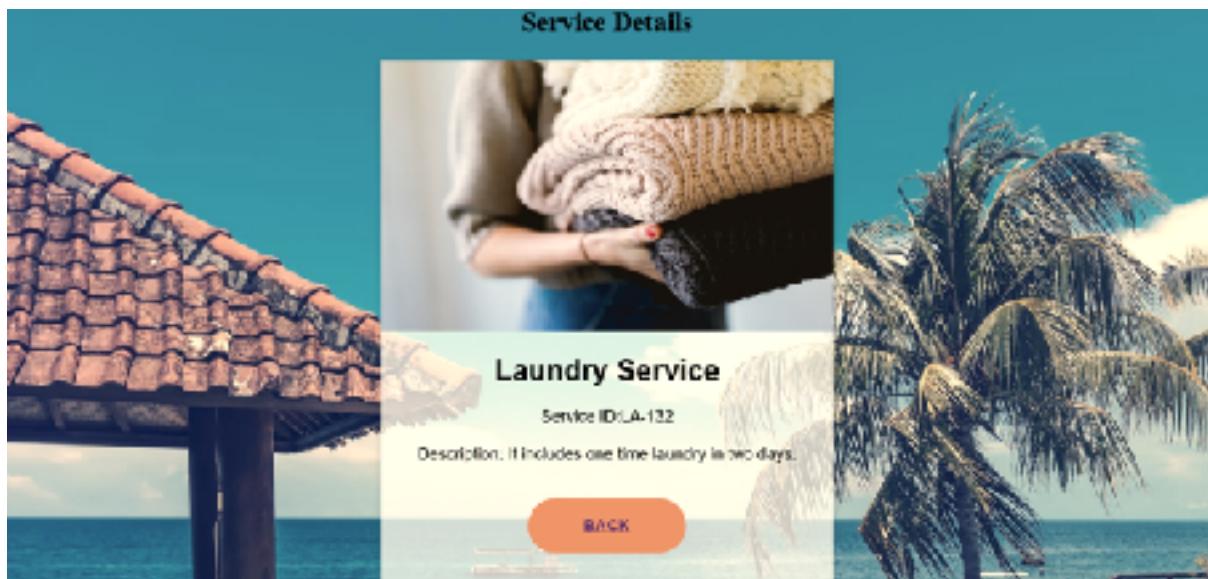
Sub User Story 9.1

Food Service



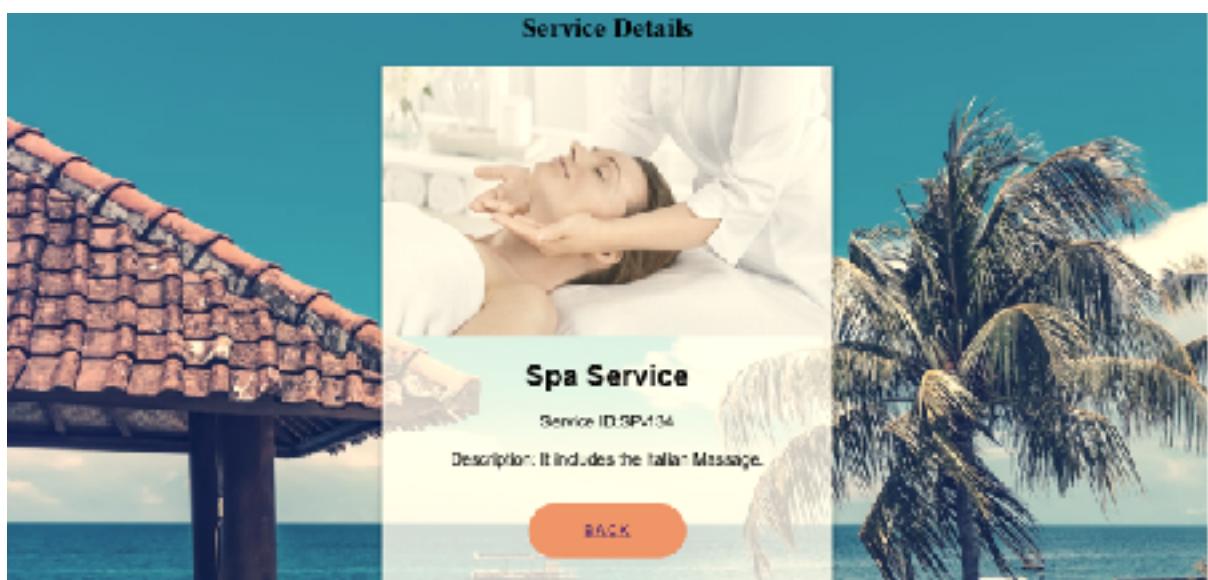
Sub User Story 9.2

Laundry Service



Sub User Story 9.3

Spa Service

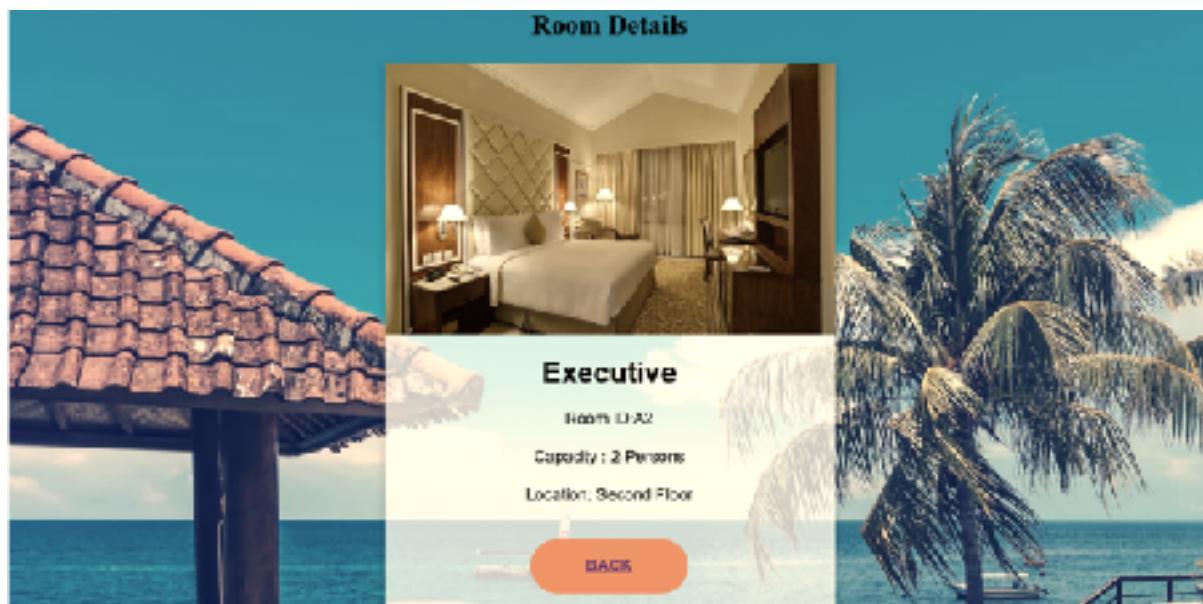


User Story 10

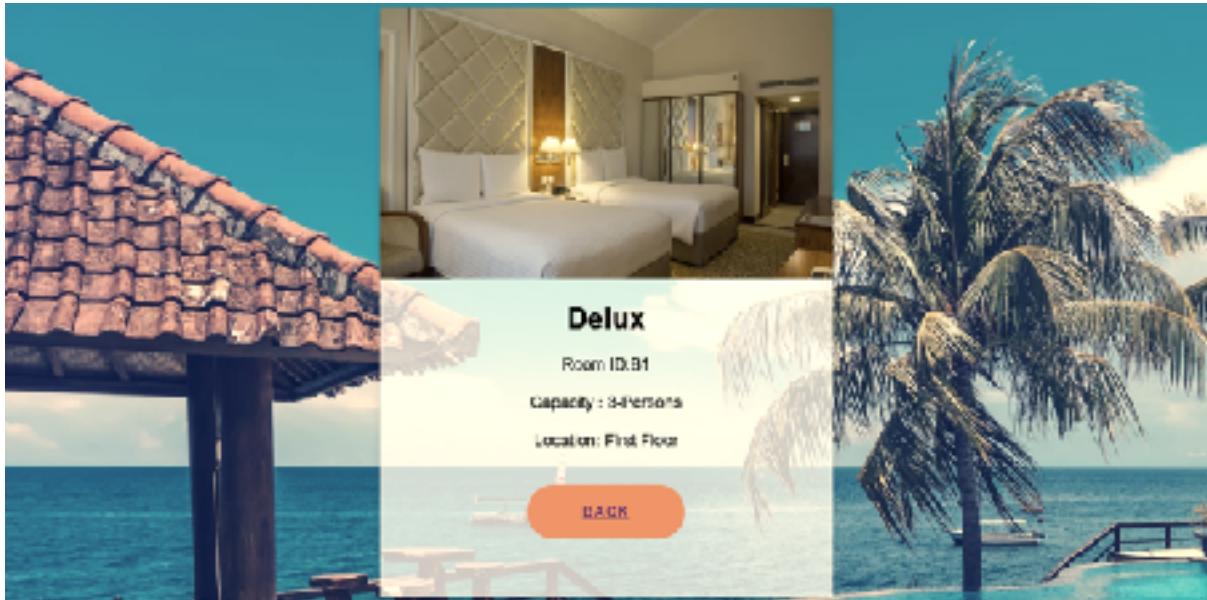
View Rooms



Executive Rooms



Deluxe Rooms



Delux

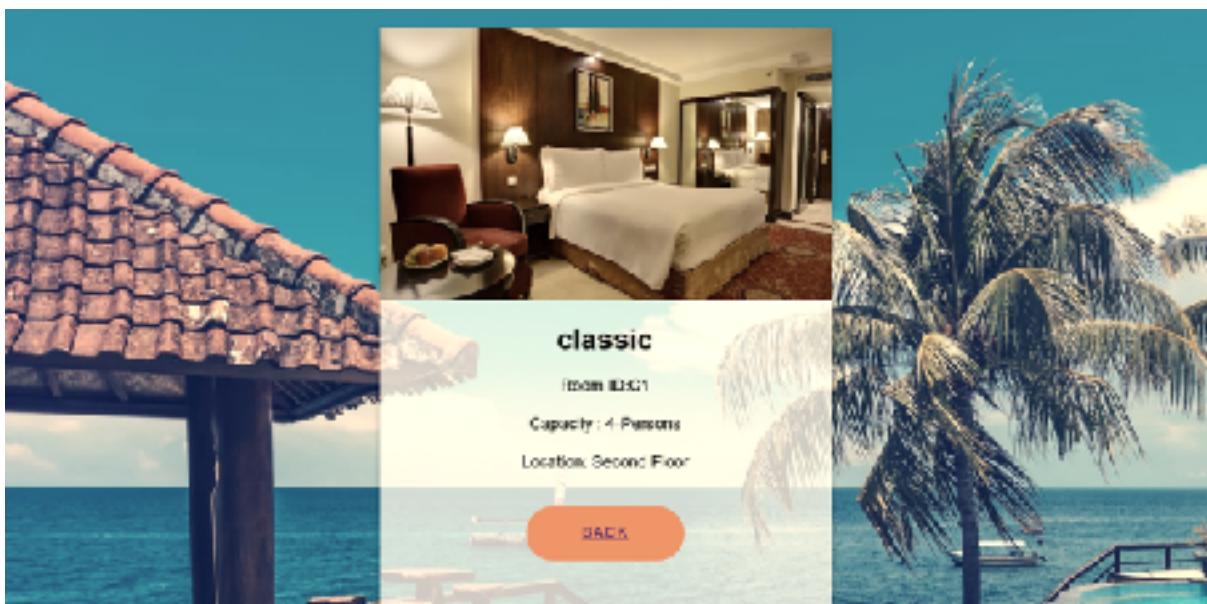
Room ID:81

Capacity : 3-Persons

Location: First Floor

[BACK](#)

Classic Rooms



classic

Room ID:801

Capacity : 4-Persons

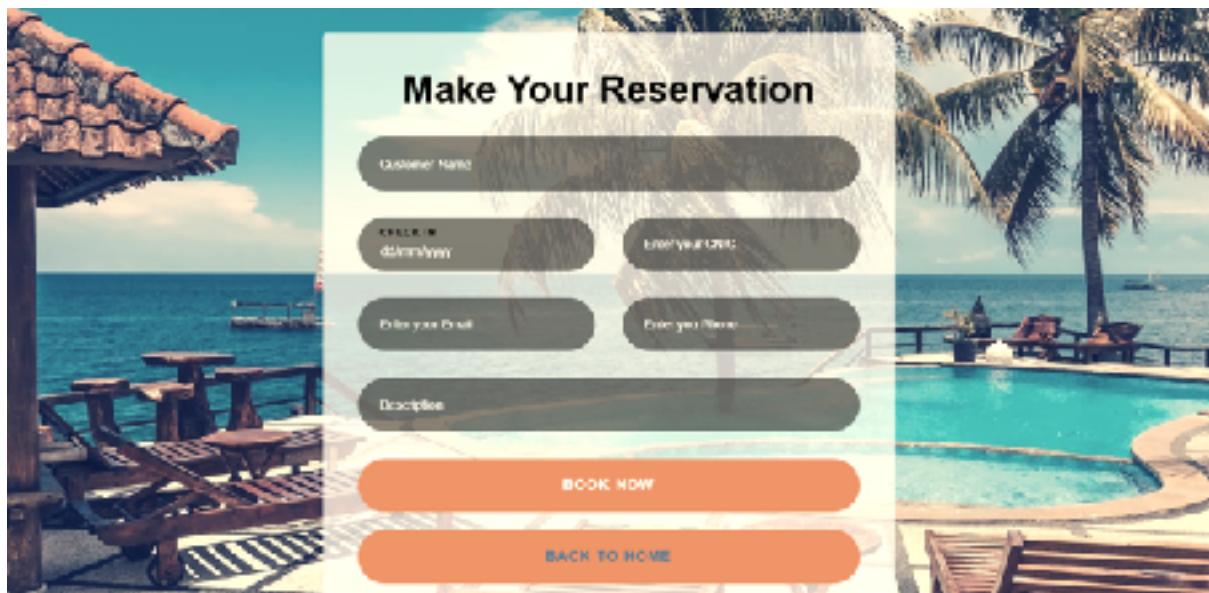
Location: Second Floor

[BACK](#)

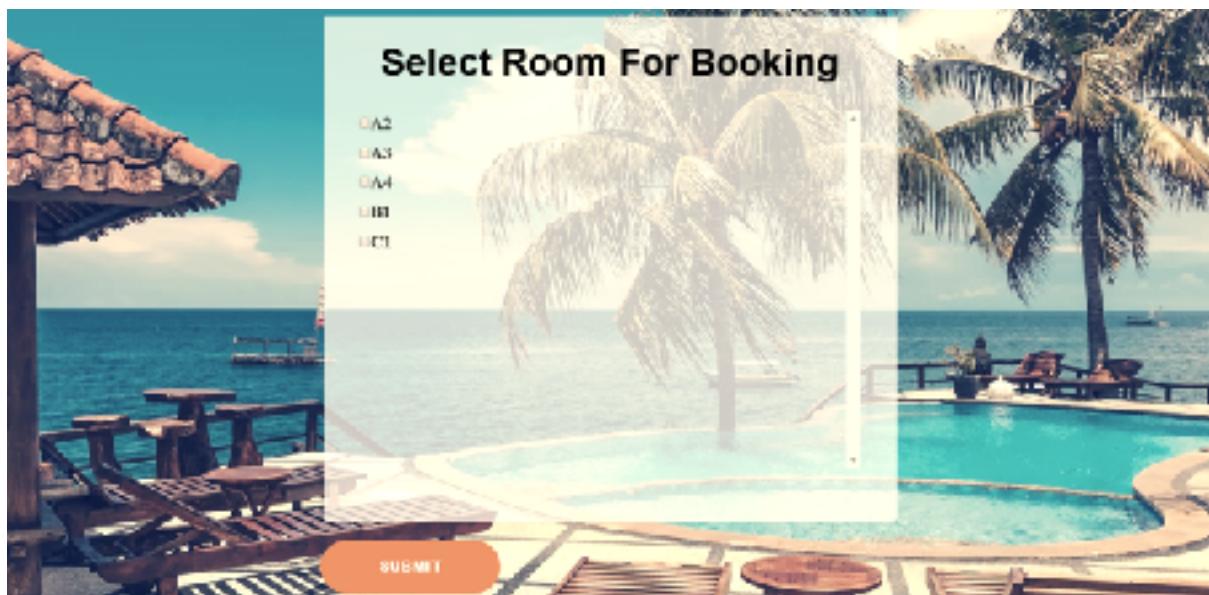
User Story 11

Make Booking

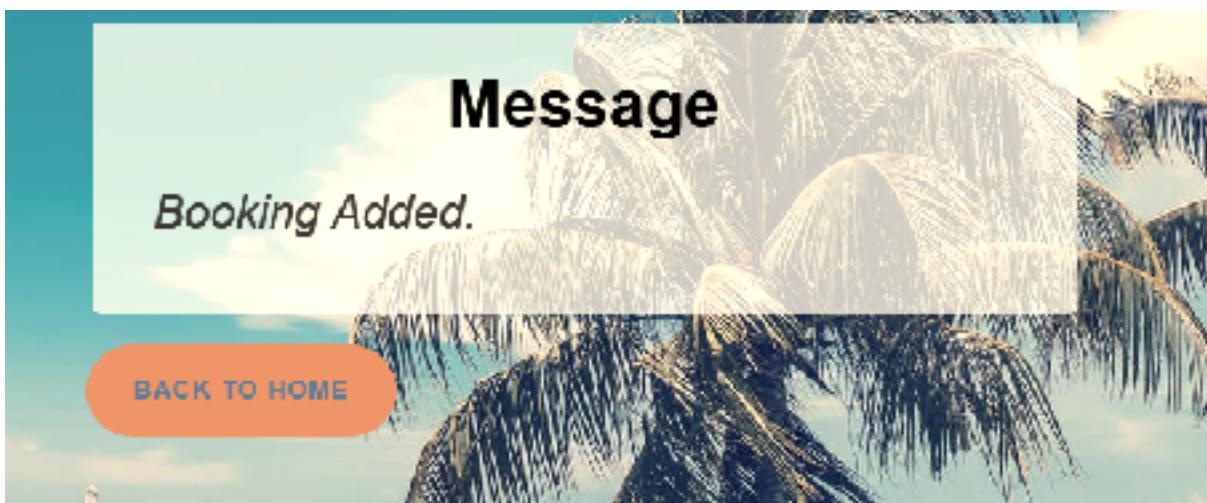
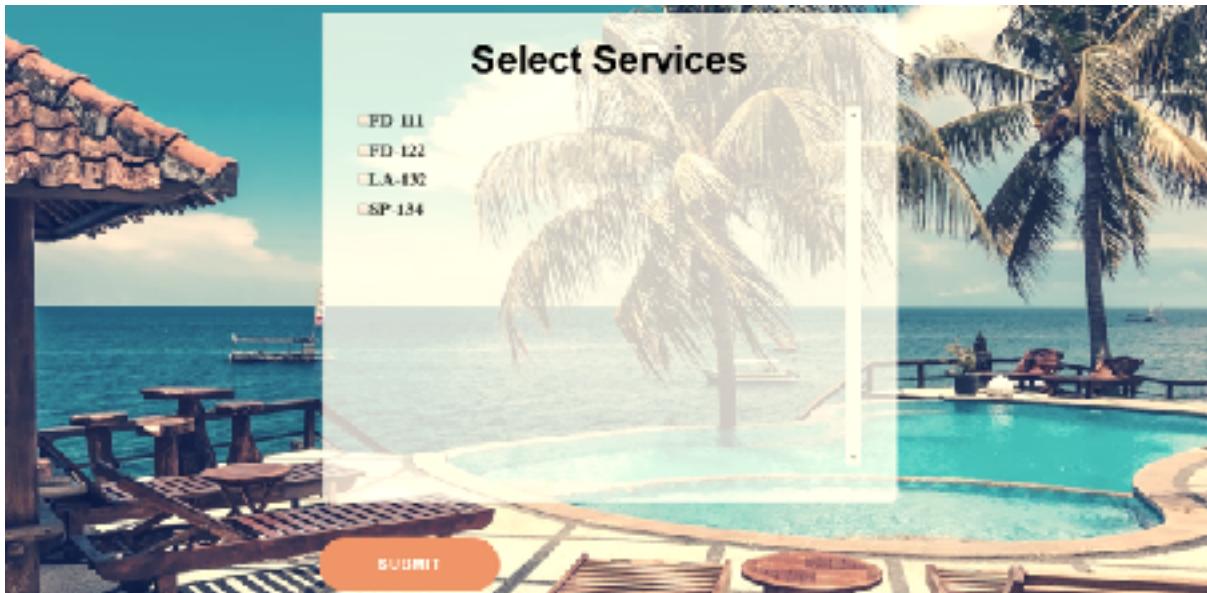
1. Enter Details



2. Select Rooms (1 to Many Relationship)



3. Select Services (Many to Many)

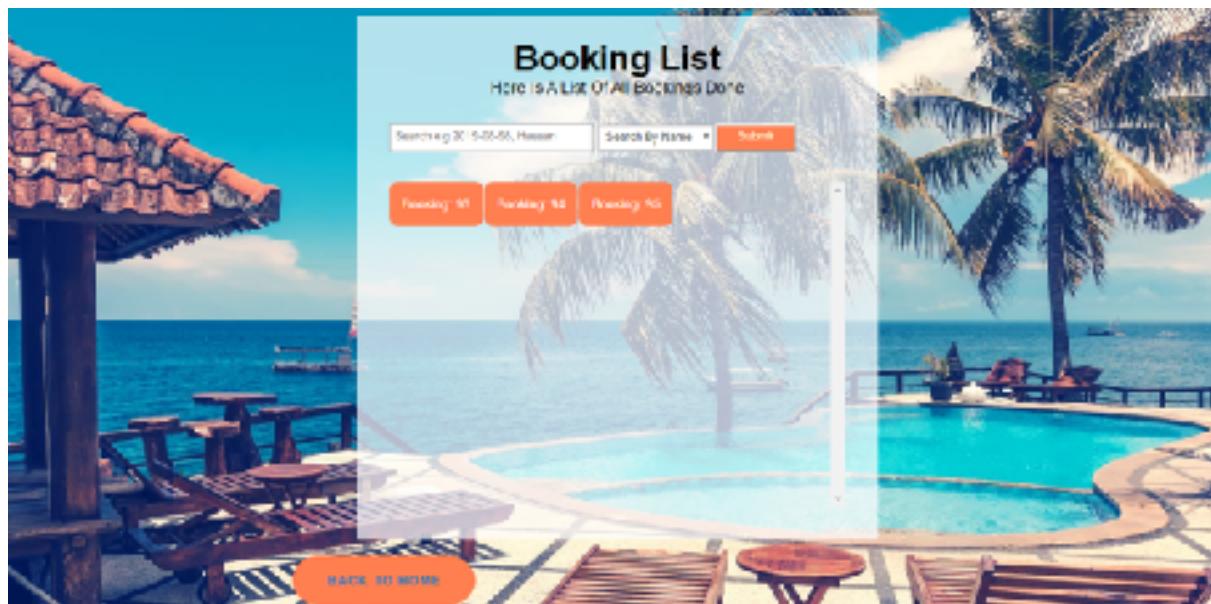


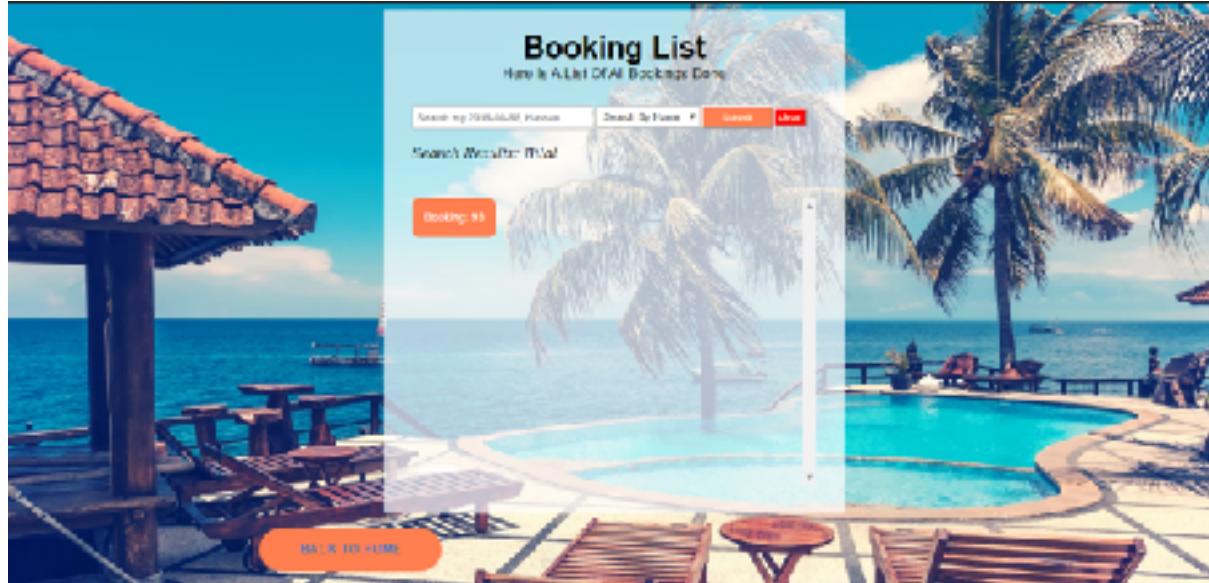
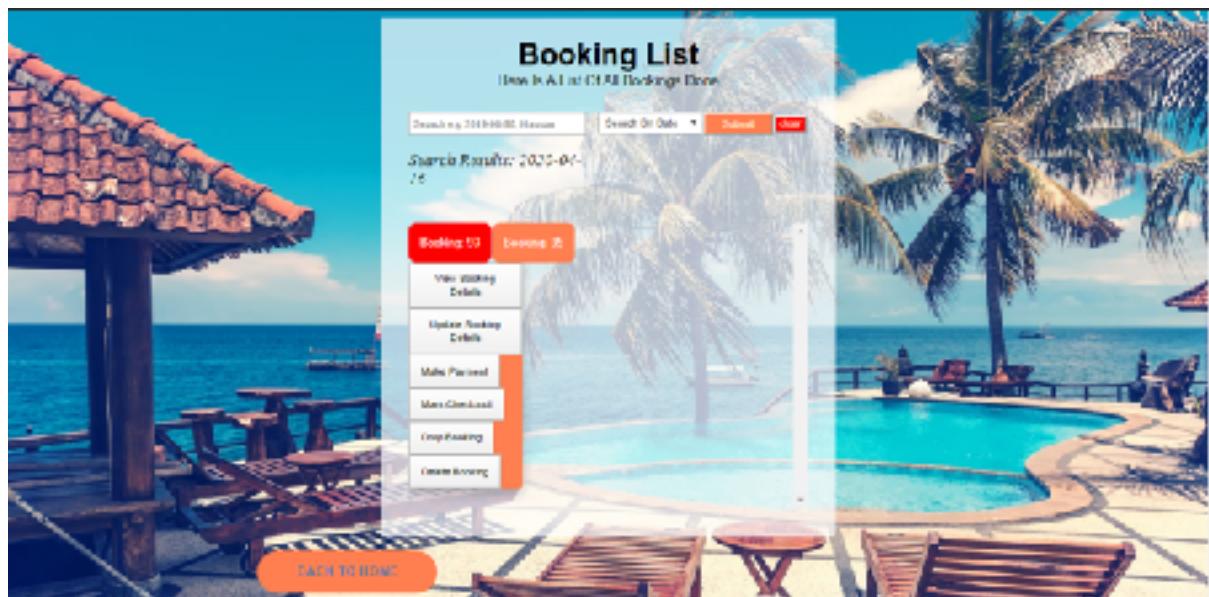
User Story 12

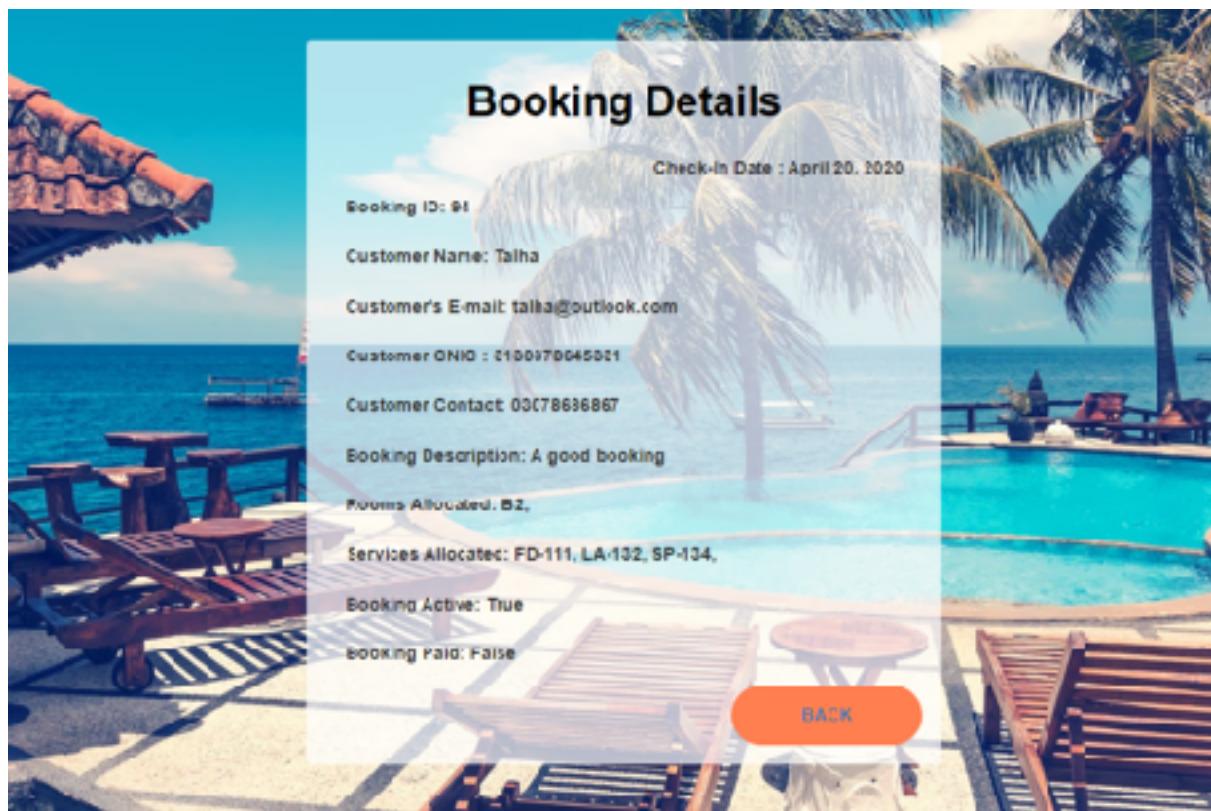
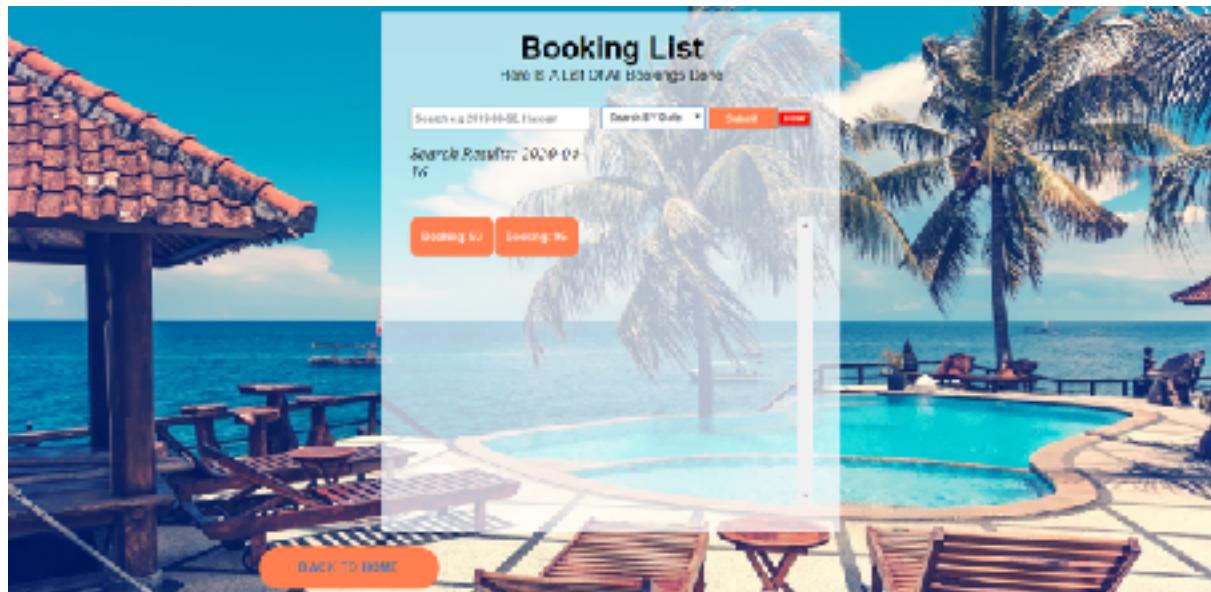
View Bookings

12.1 Search by Name

12.2 Search by Date

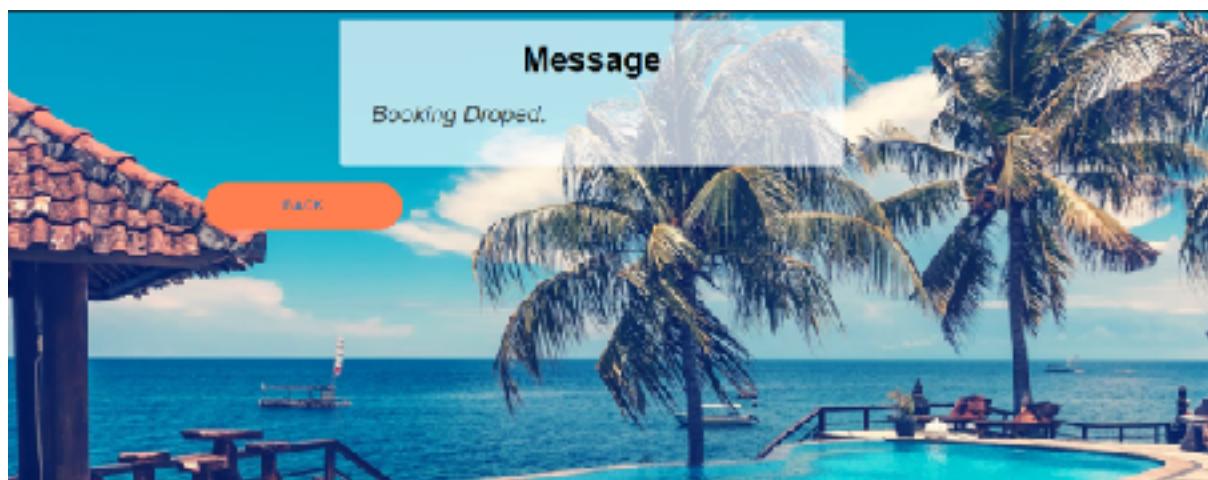
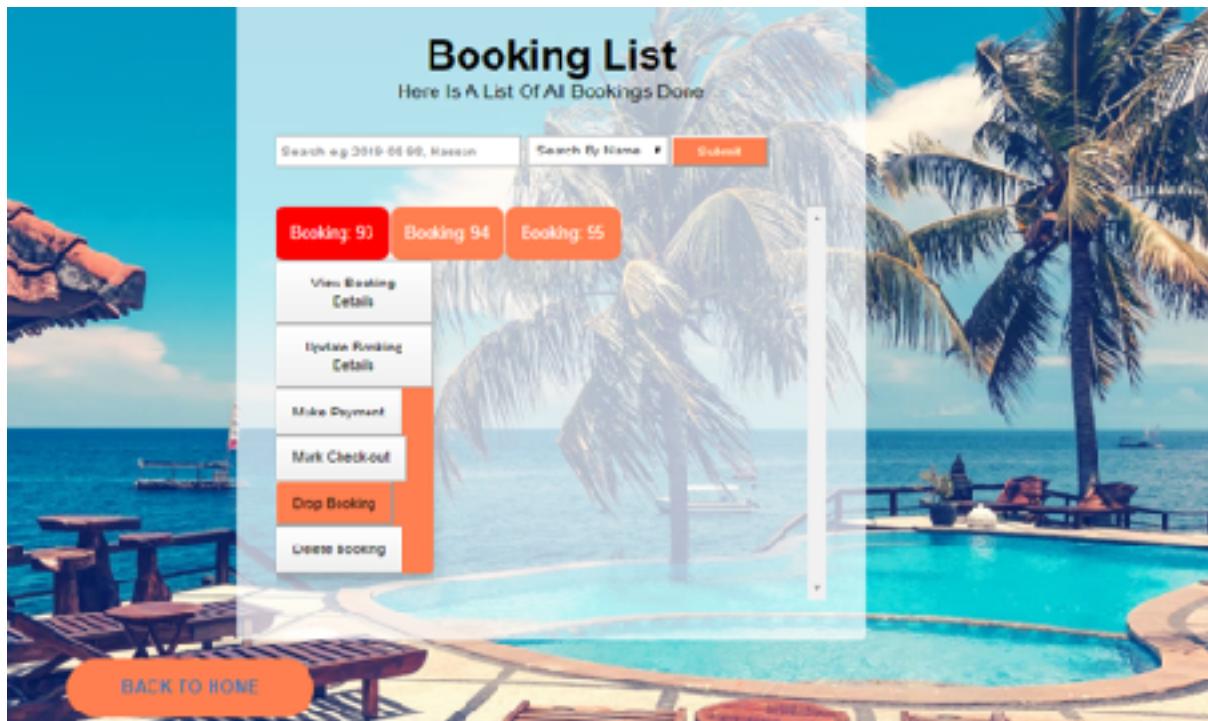






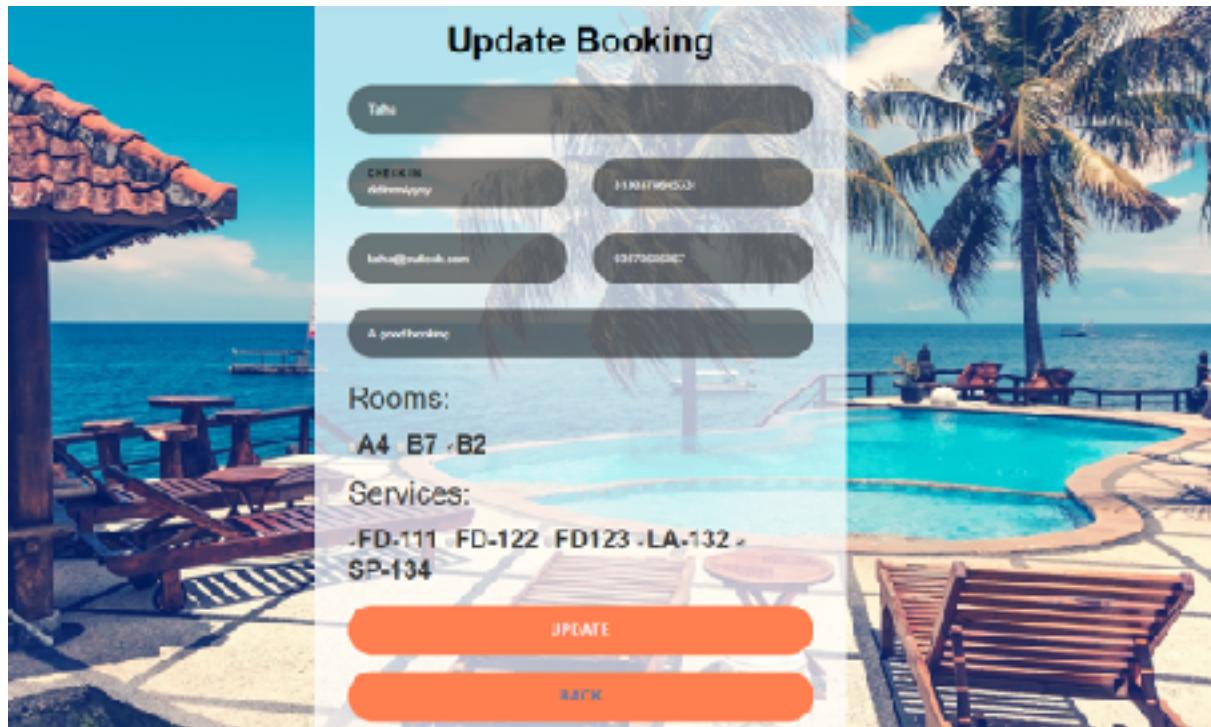
User Story 13

Drop Booking



User Story 14

Update/ Edit Booking

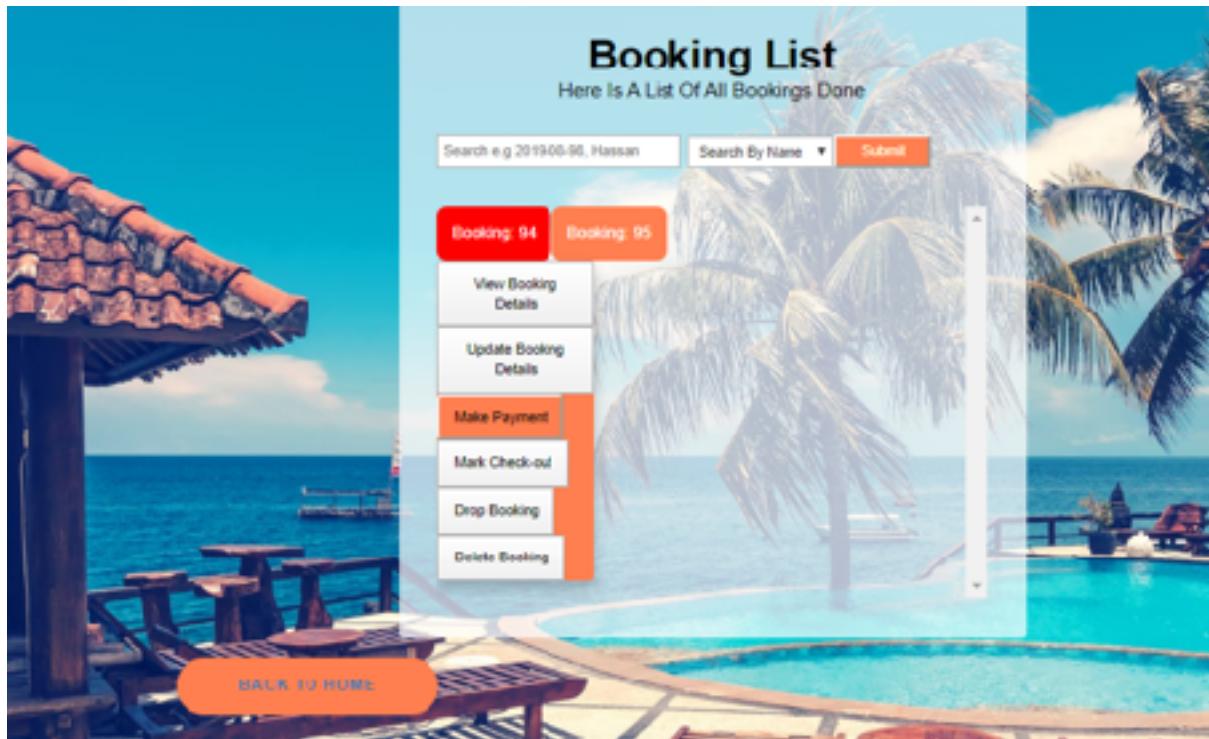


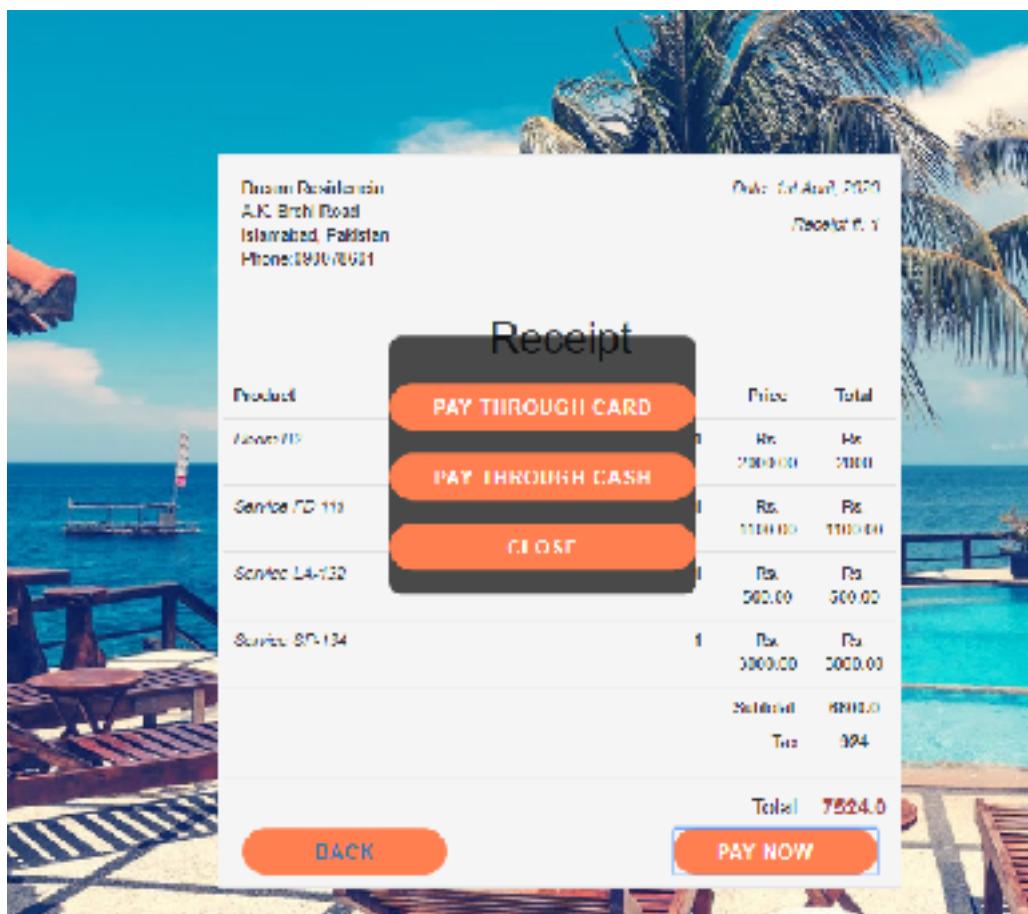
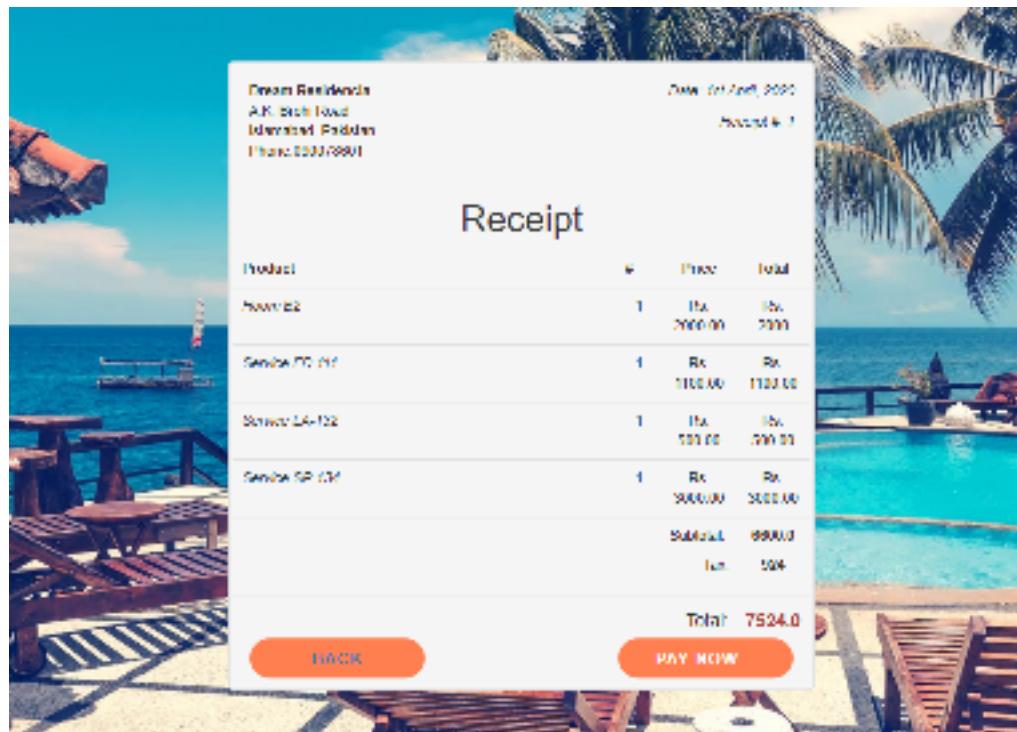
User Story 15

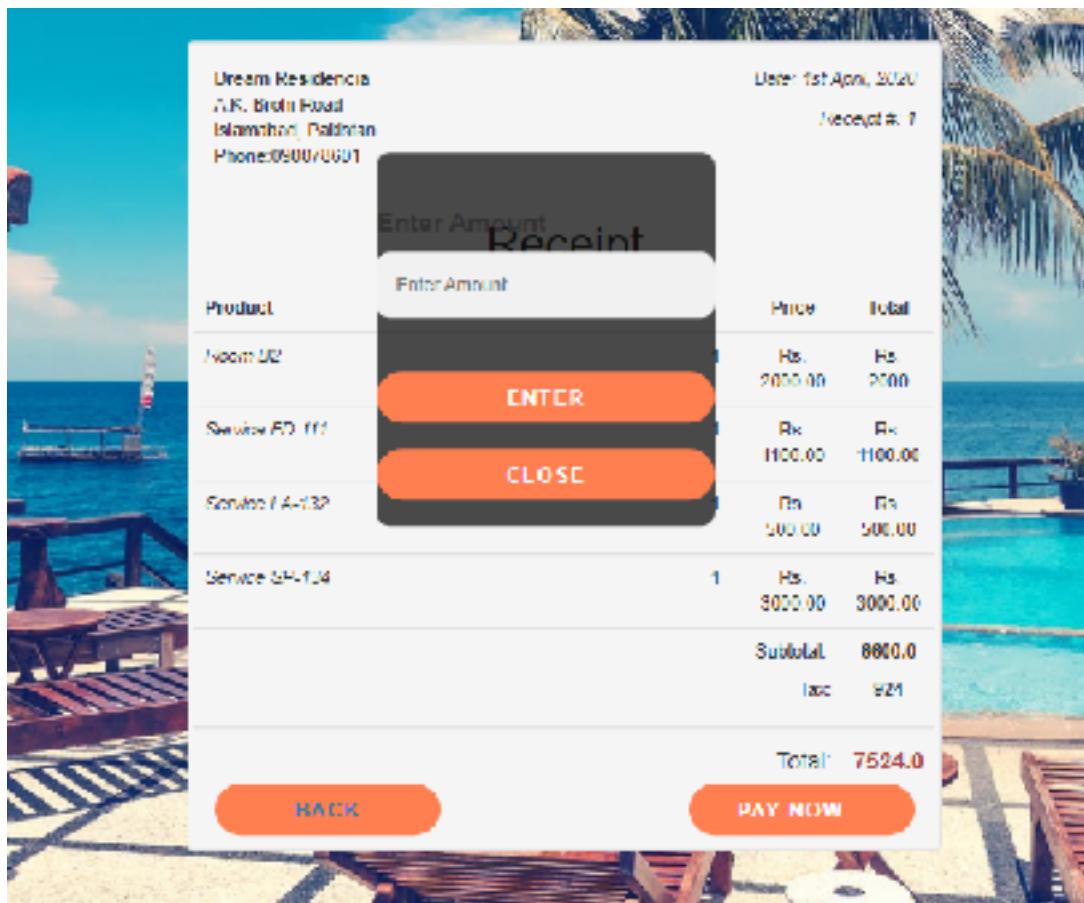
Add Payment

15.1 Pay by card

15.2 Pay by cash







Make Payment For booking

Billing Address

Full Name: Name

Email: 123@example.com

Address: street 26 Rawalpindi

City: Rawalpindi

Country: Pakistan

Zip: 10001

Payment

Accepted Cards: VISA, MASTERCARD, AMEX, JCB

Name on Card: Taha Nazir

Credit card number: 1111-2222-3333-4444

Exp Month: September

Exp Year: 2018

MANE PAYMENT **BACK**

This screen allows users to enter their billing information for payment. It includes fields for name, email, address, city, country, and zip code. On the right, it shows payment options with accepted cards (VISA, MasterCard, American Express, JCB), name on card, credit card number, expiration month, and year. At the bottom, there are 'MANE PAYMENT' and 'BACK' buttons.

User Story 16

Booking Report

Green Residencies
A/C Brhi Road
Islamabad, Pakistan
Phone: 350978001

Date: April 29, 2020

Bookings Report

Date From: 10/04/2020 Date To: 20/04/2020 [Submit](#)

Name	Check-IN	Check-OUT	Email	Contact	Status
Bilal	April 15, 2020	April 29, 2020	bilal123@gmail.com	0305100002	Dropped
Talha	April 15, 2020	None	talha123@gmail.com	0309781787	Active
Amna	April 15, 2020	None	amna123@gmail.com	0301004107	Active

Bookings Analysis

Total Active Bookings : 2
Total Dropped-Out Bookings: 1
Total Finished Bookings: 0
Total: 3

[BACK TO HOME](#)

User Story 17

Finance Report

Green Residencies
A/C Brhi Road
Islamabad, Pakistan
Phone: 350978001

Date: April 29, 2020

Finance Report

Date From: 10/04/2020 Date To: 20/04/2020 [Submit](#)

Name	Check-IN	Check-OUT	Total Amount	Fwd Amount	Status
Bilal	April 15, 2020	April 29, 2020	Rs. 0.00	Rs. 0.00	Dropped
Talha	April 15, 2020	None	Rs. 1420.50	Rs. 1420.50	Active
Amna	April 15, 2020	None	Rs. 1915.00	Rs. 1915.00	Active

Finance Analysis

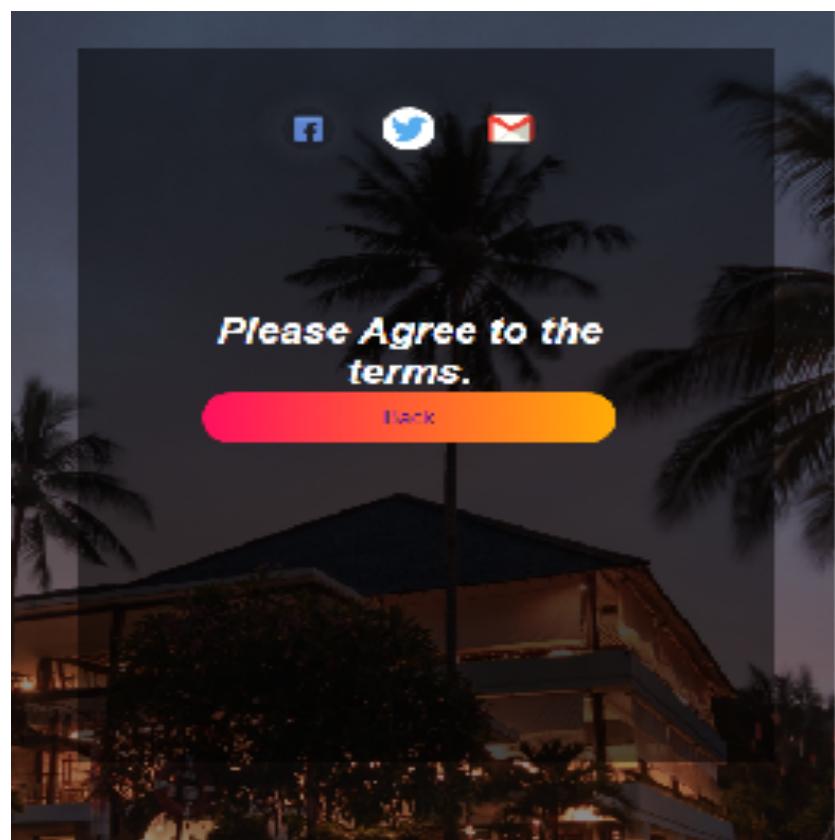
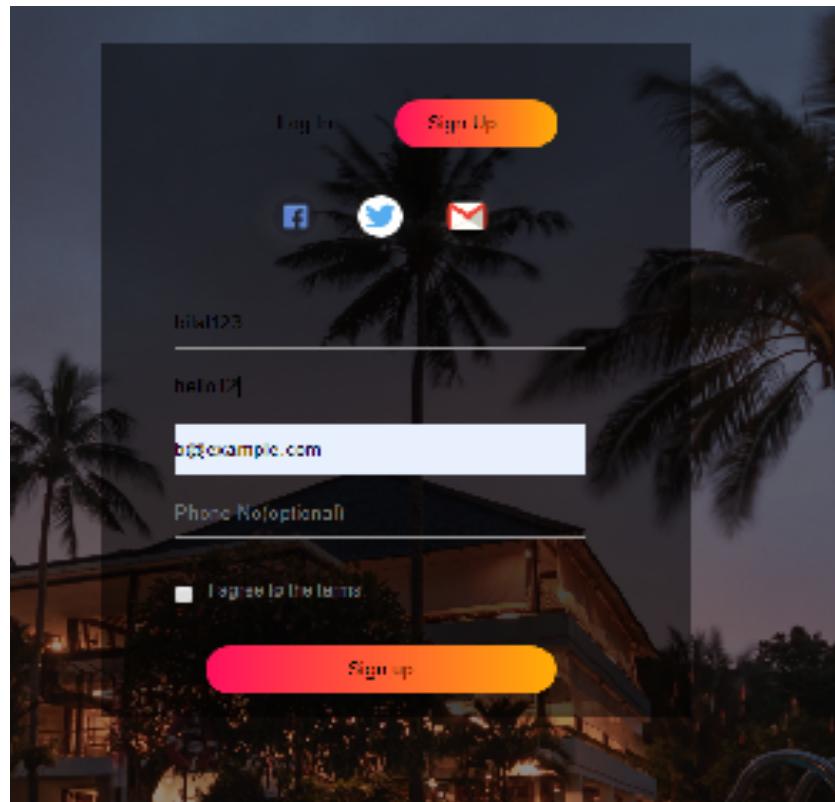
Total Amount: Rs. 30780.00
Total Earnings: Rs. 30780.00
Loss: Rs. 0.00

[BACK TO HOME](#)

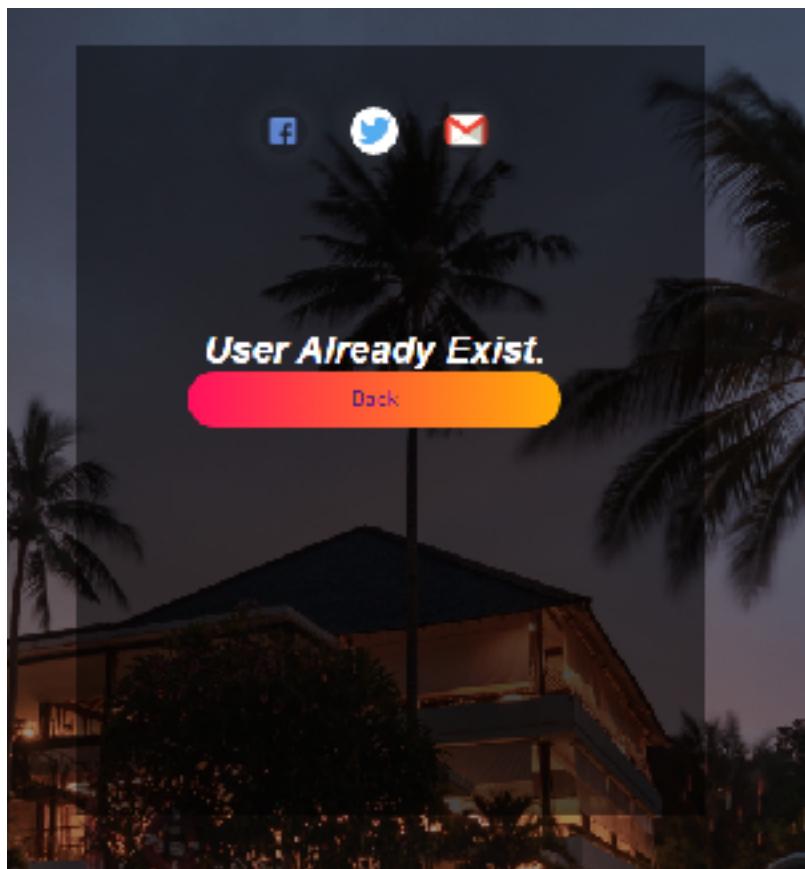
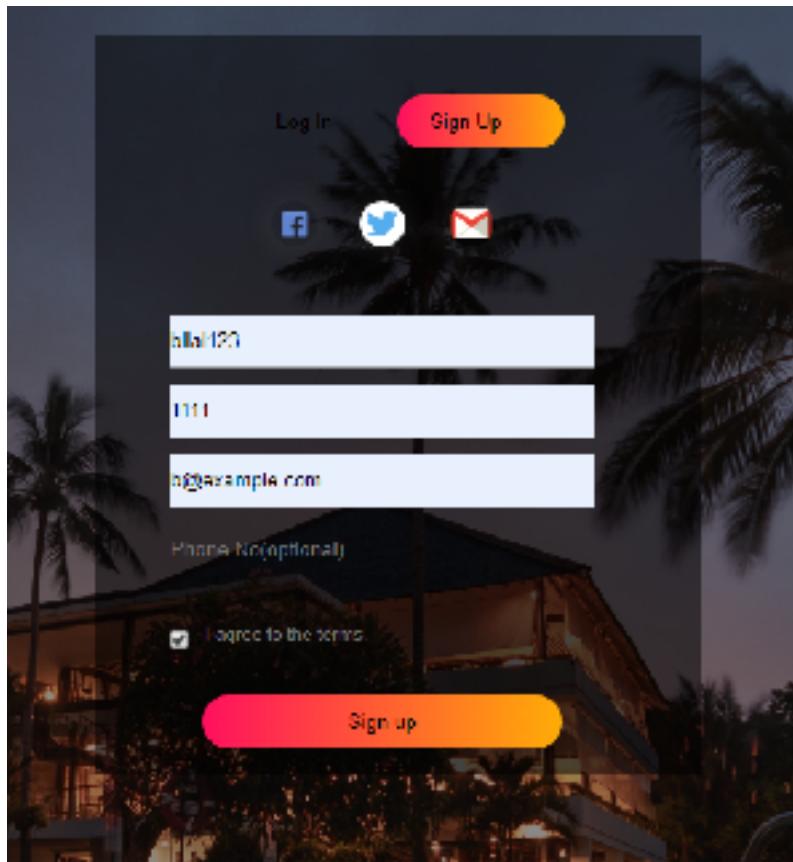
TEST CASES

User Story 1

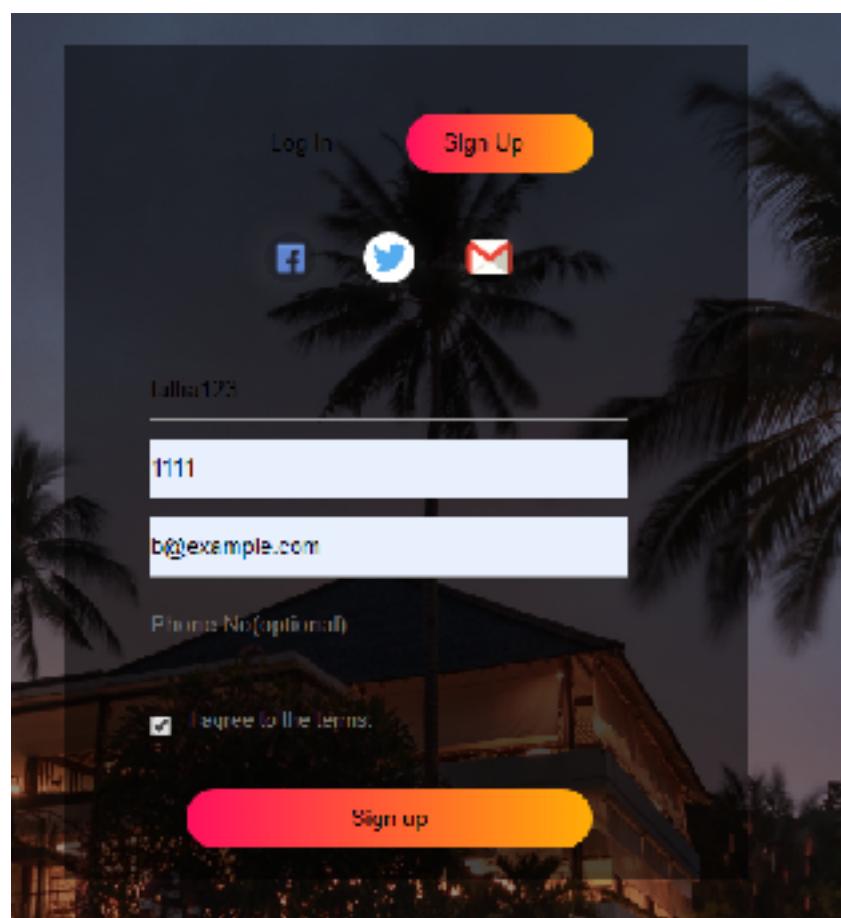
Uncheck terms box so Account is not created

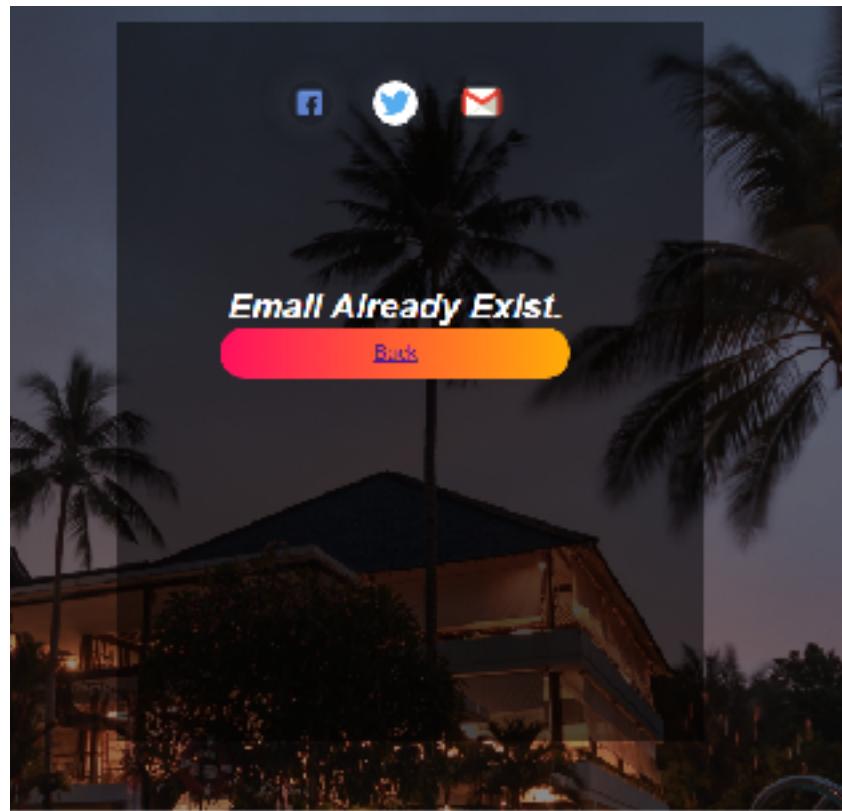


User Already Exist

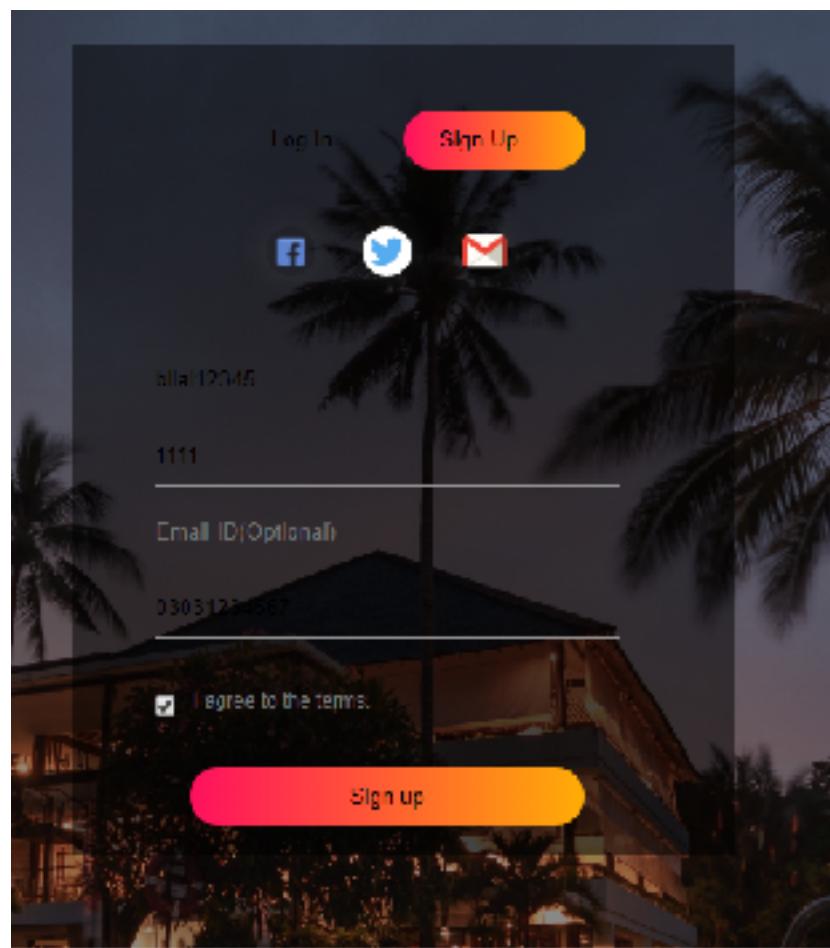


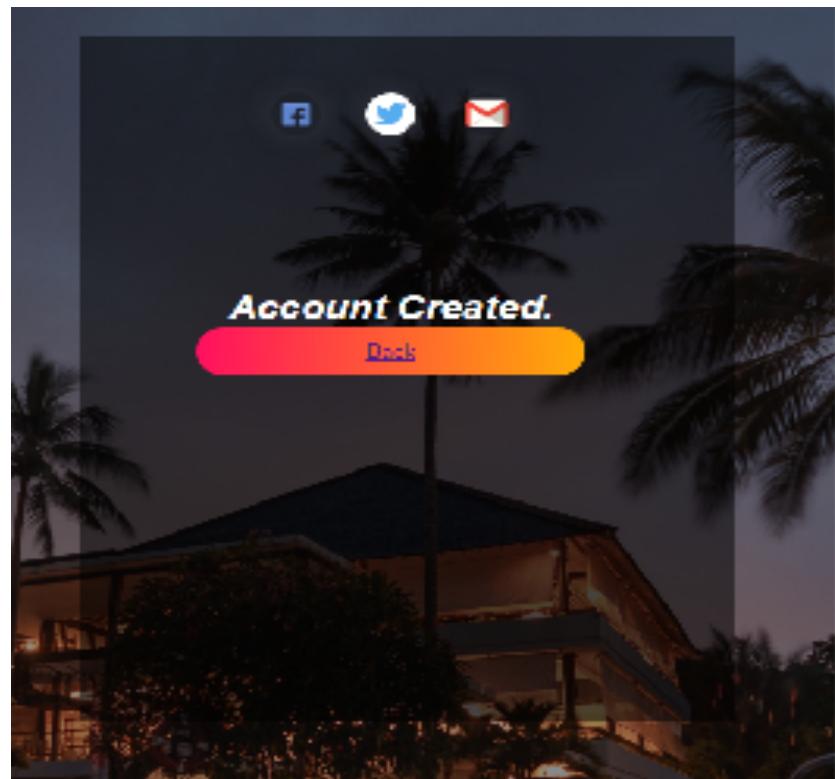
Email Already Exists



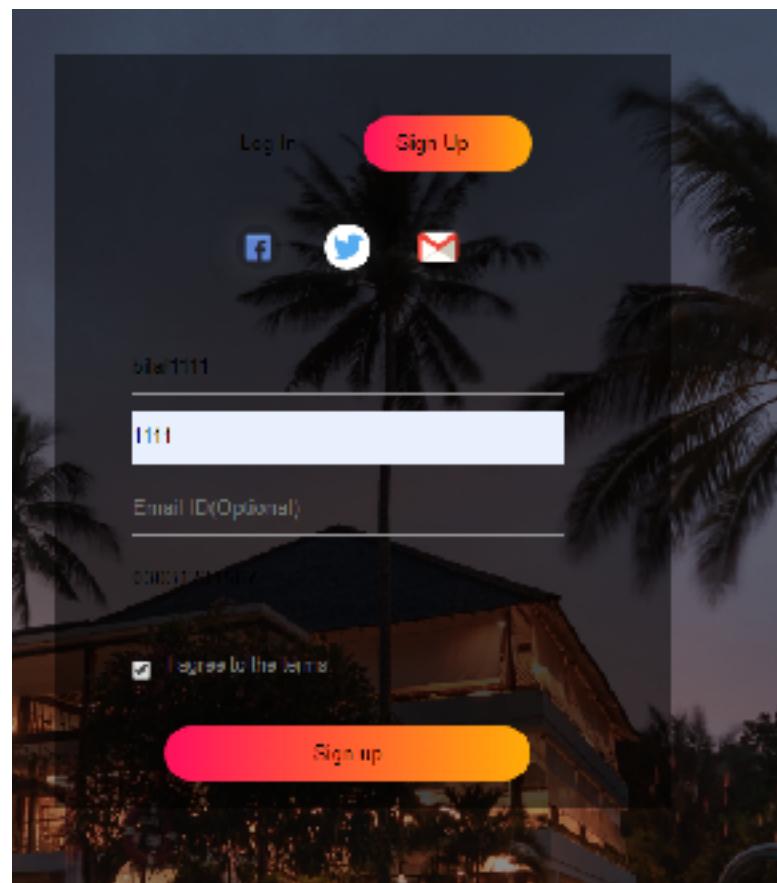


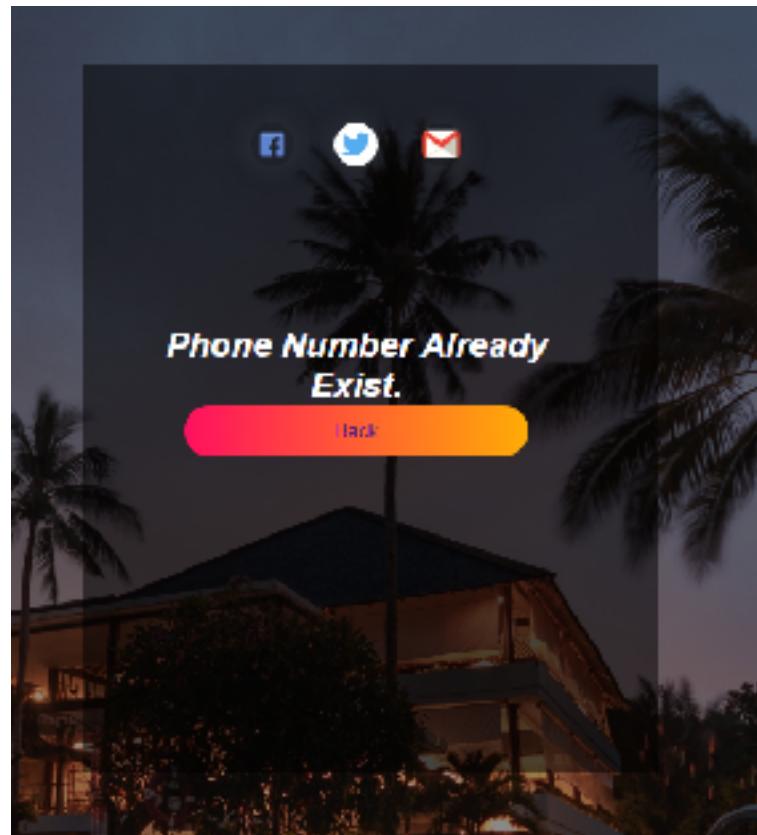
Account Creation Using Phone No.





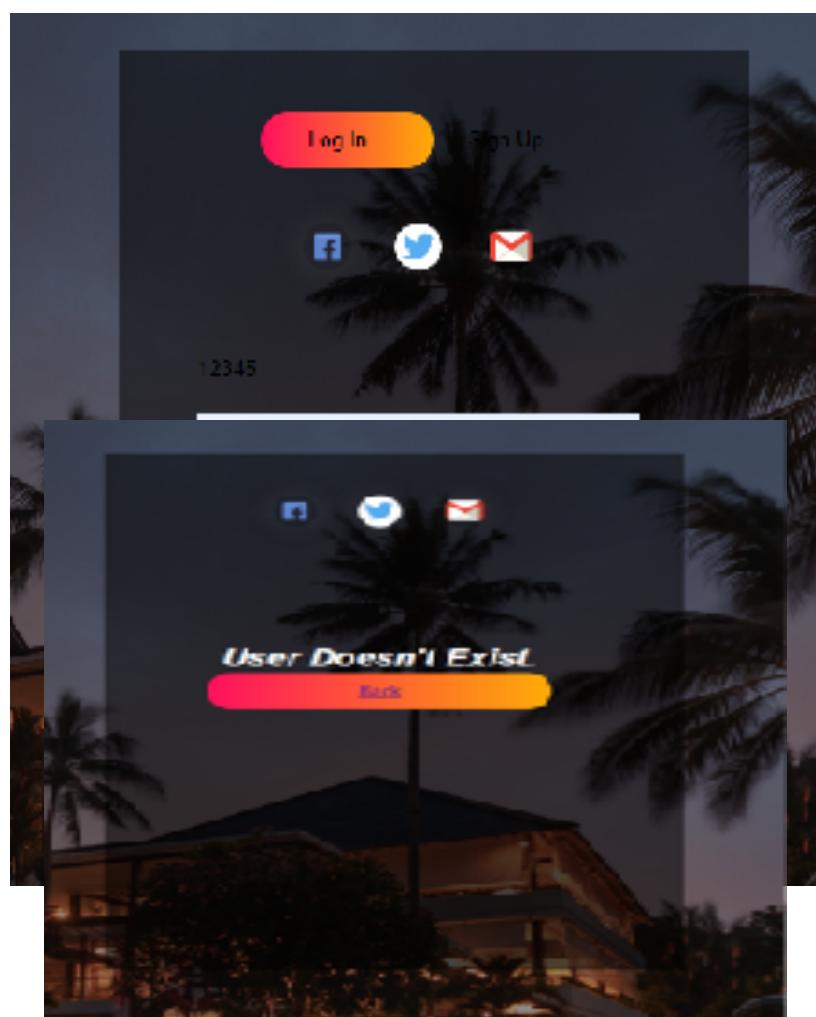
Phone Already Exist.



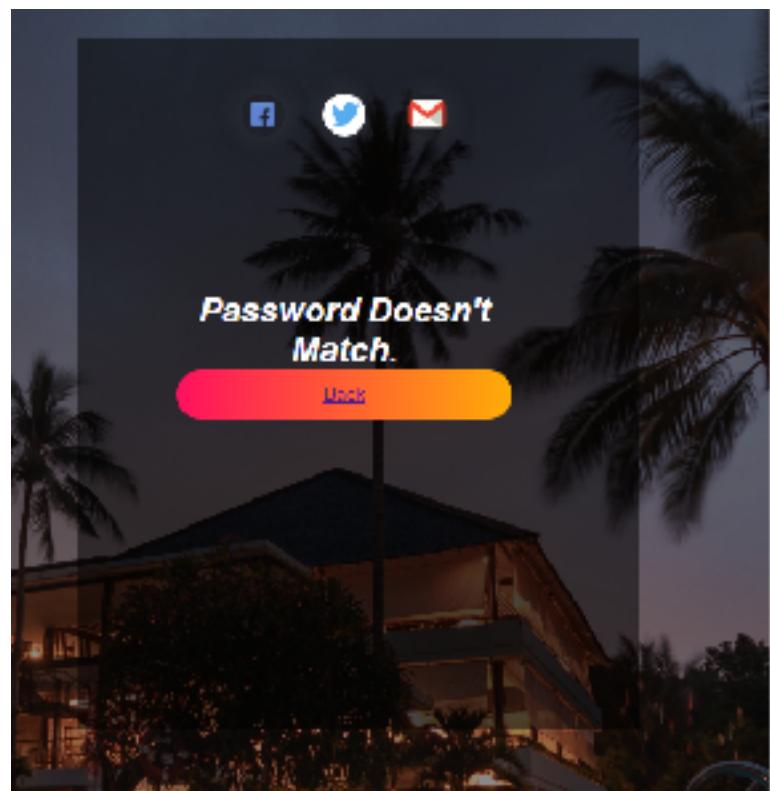
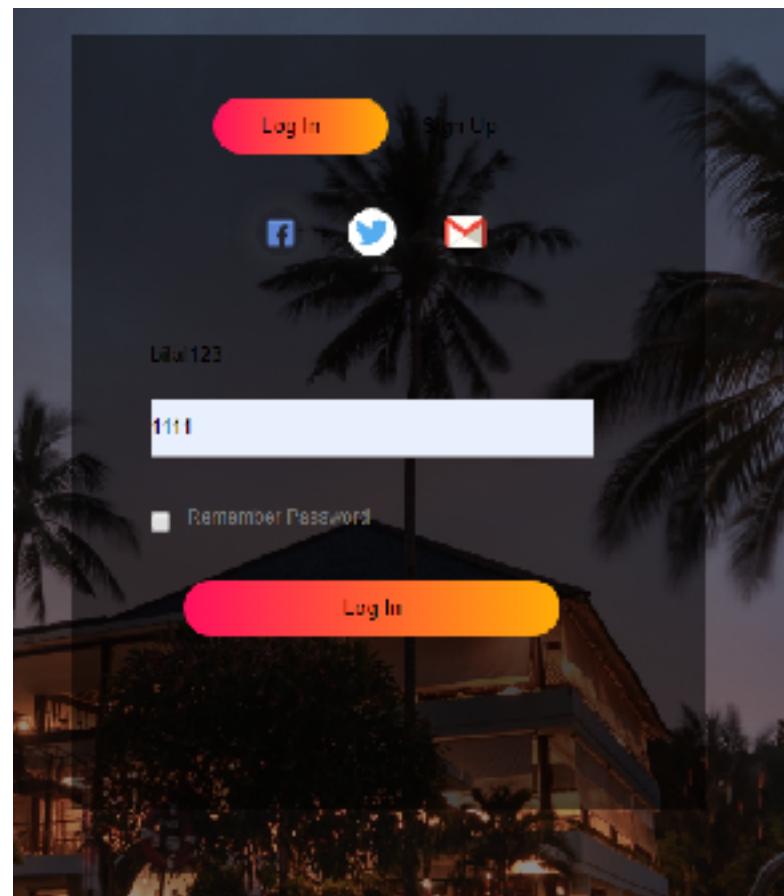


User Story 2

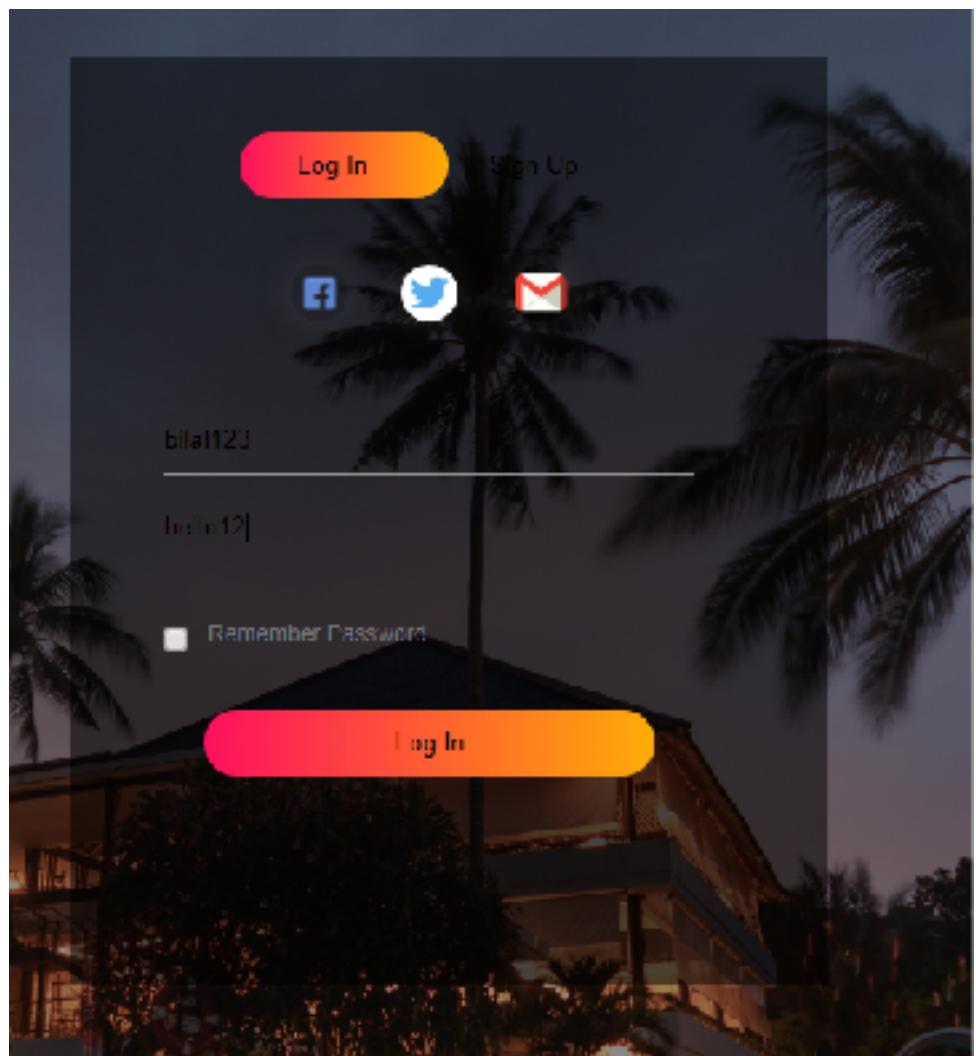
User Doesn't Exist



User Exist but password doesn't match

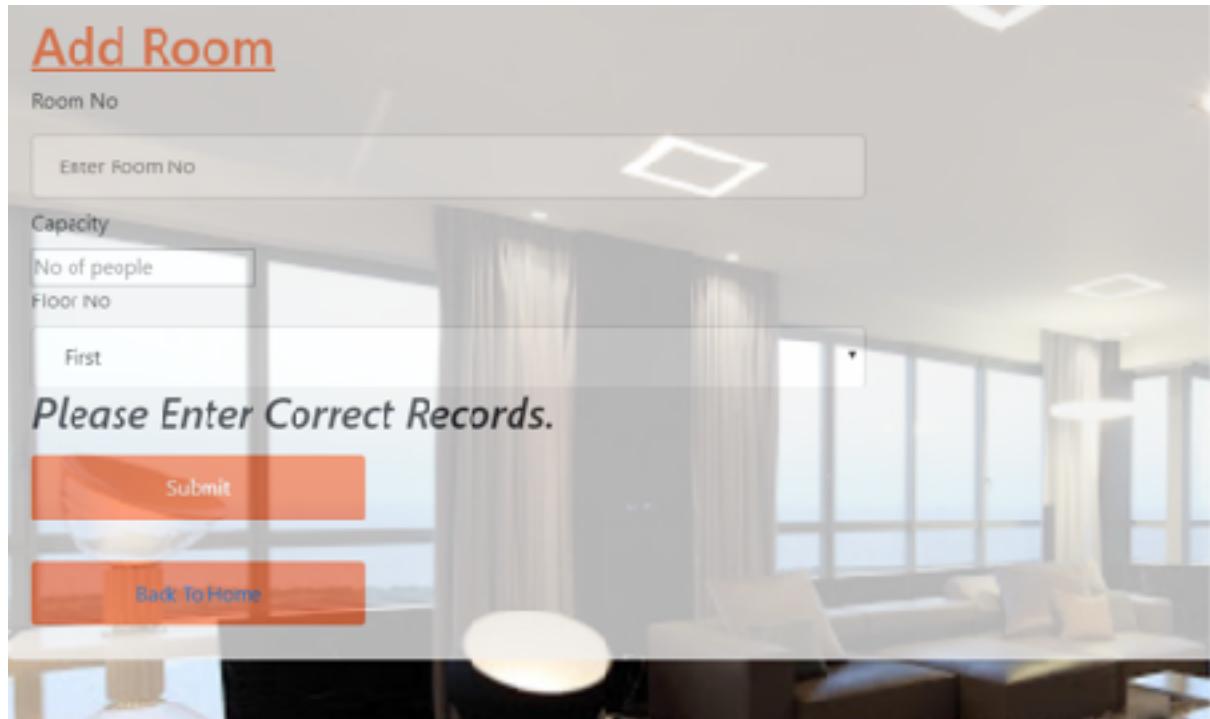


User Logged In



User Story 3

Enter correct record to add a room



Room Added

Add Room

Room No
A5

Capacity
2

Floor No
Second

Room Added.

[Submit](#)

[Back To Home](#)



Room Already Exist

Add Room

Room No
A5

Capacity
25

Floor No
First

Room Already Exist.

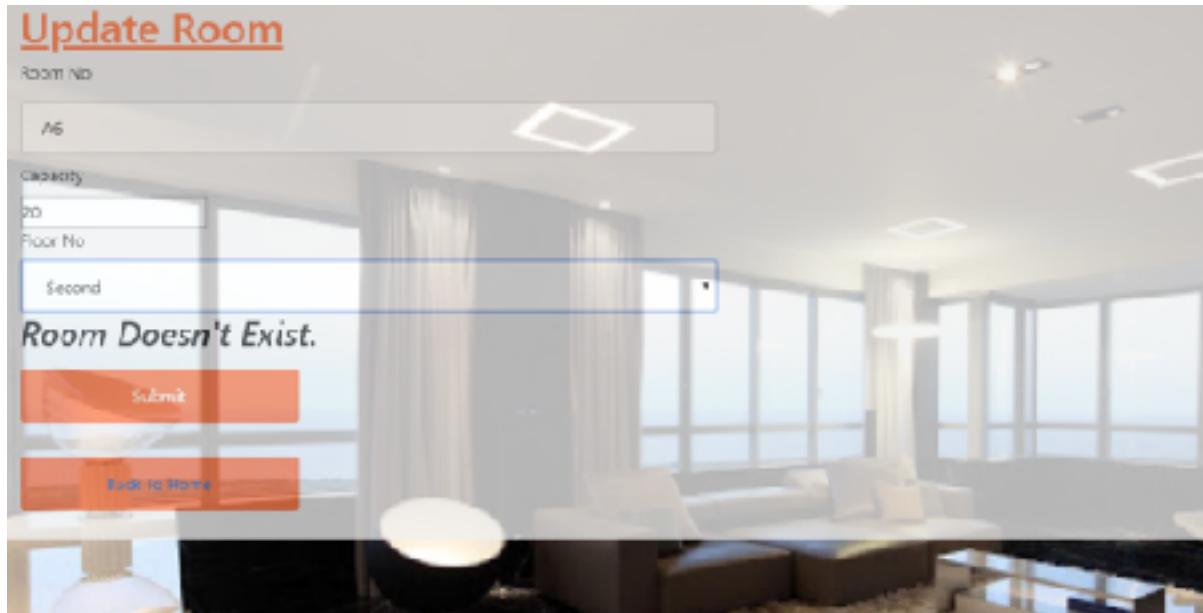
[Submit](#)

[Back To Home](#)



User Story 4

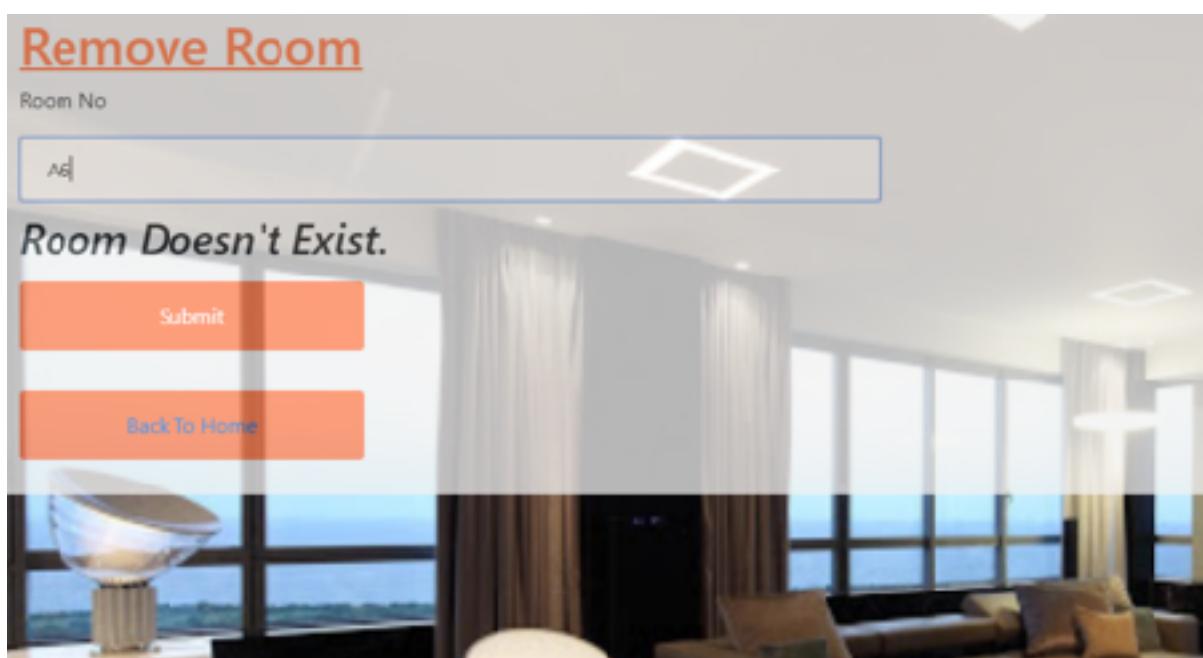
Room Doesn't Exist



User Story 5

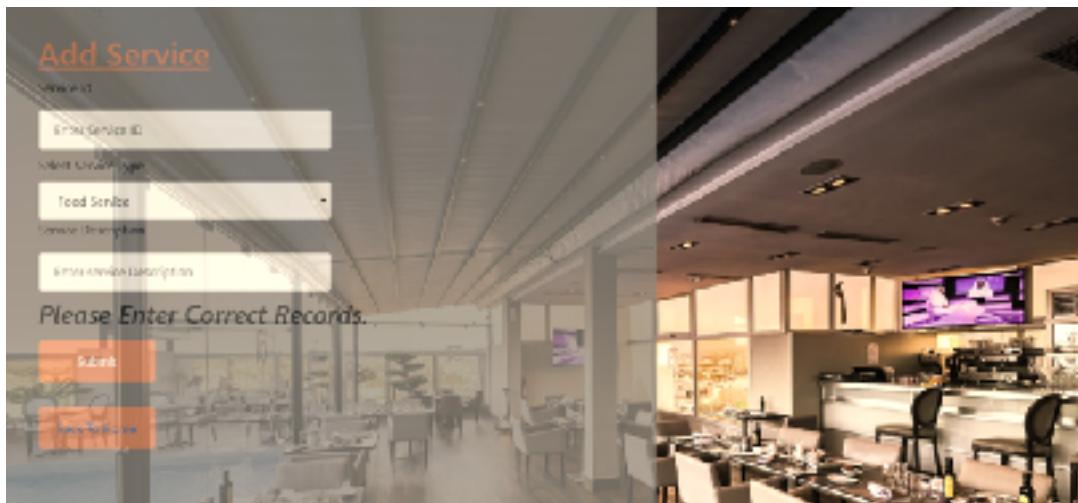
Room Doesn't Exist

1 Room Doesn't Exist

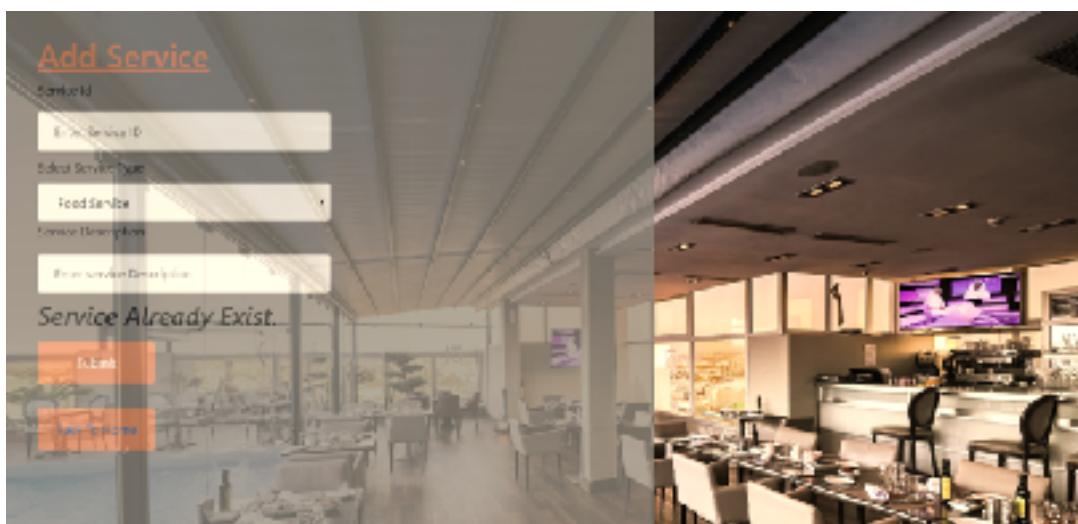


User Story 6

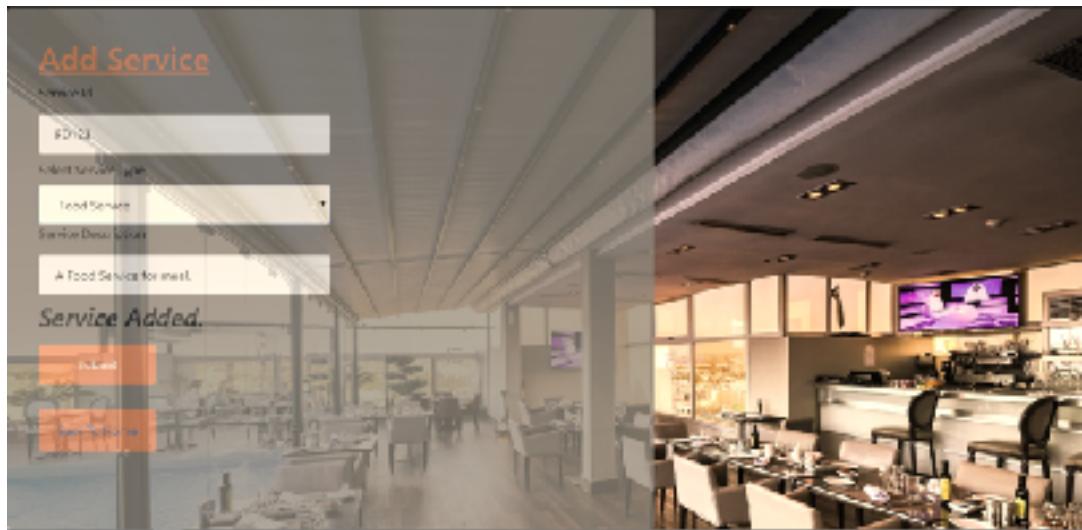
Enter Id to ADD Service



Service Already Exist

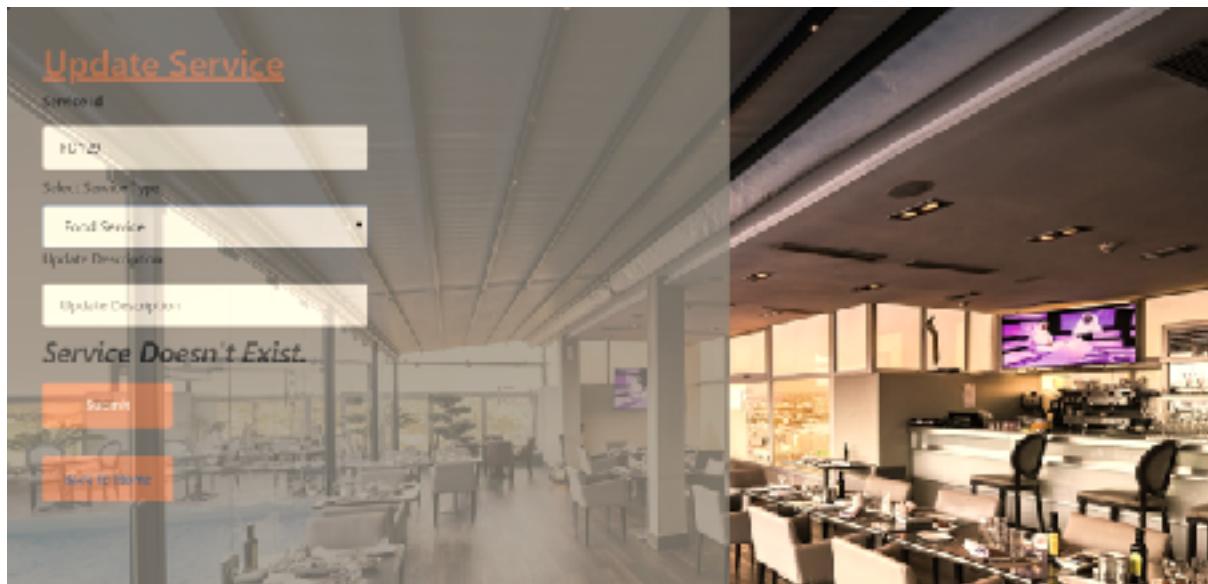


Service Added



User Story 7

Service Doesn't Exist to Update

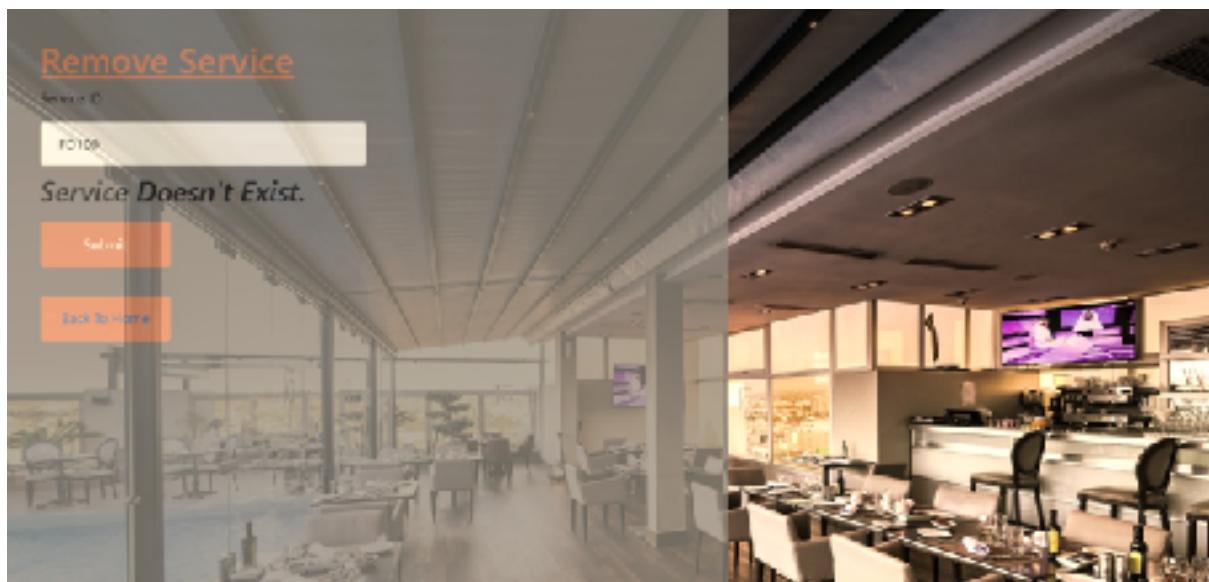


Service Updated

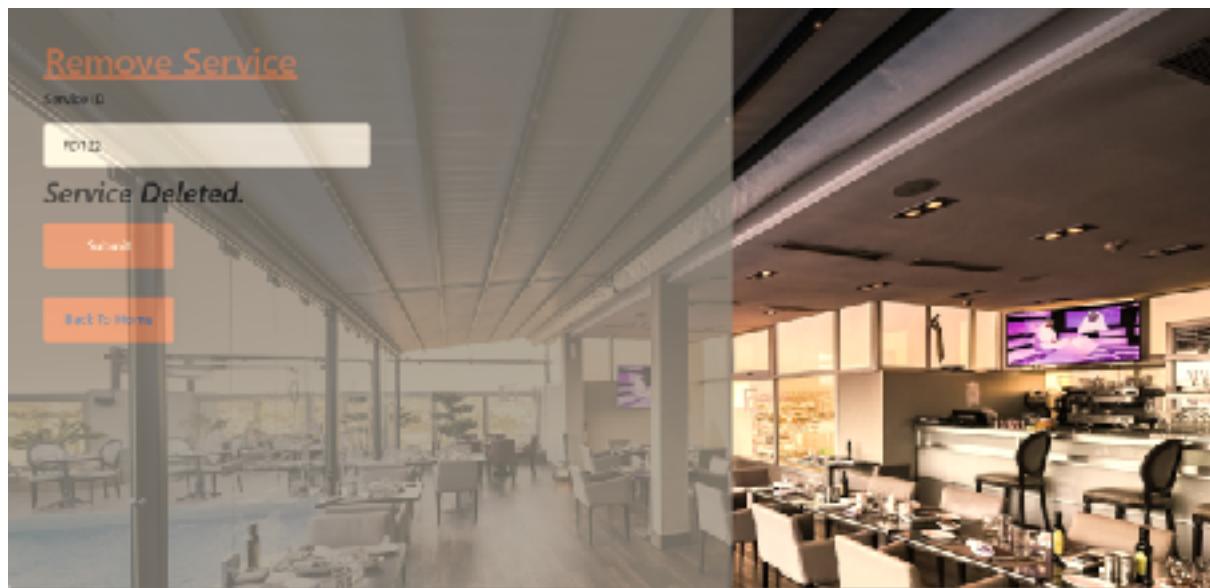


User Story 8

Service Doesn't Exist to Remove

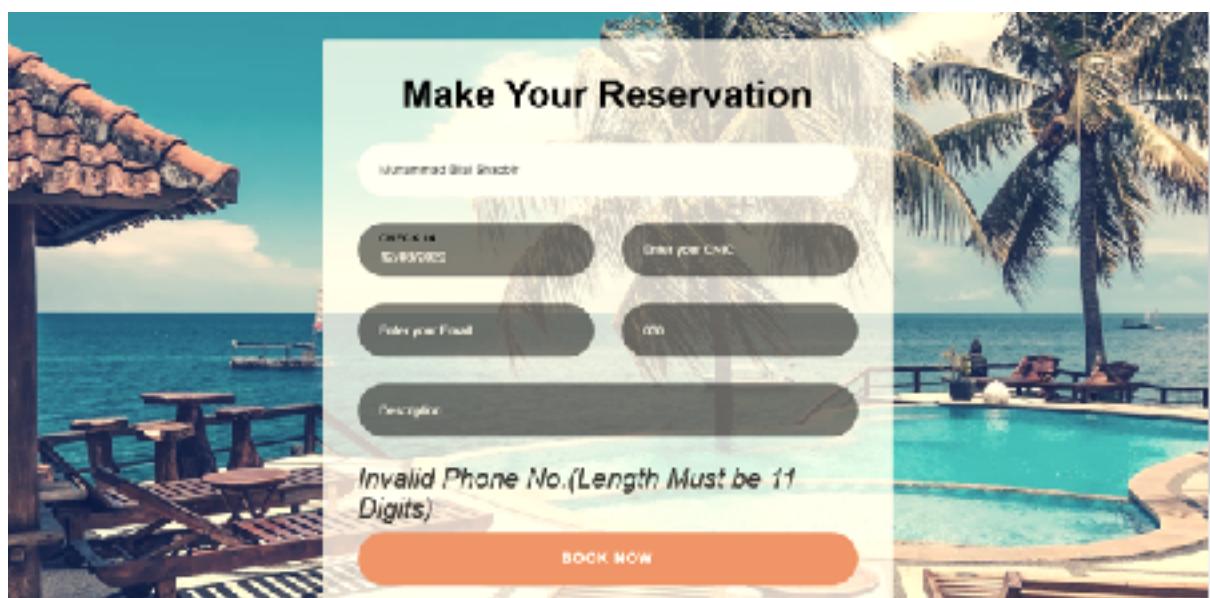


Service Deleted

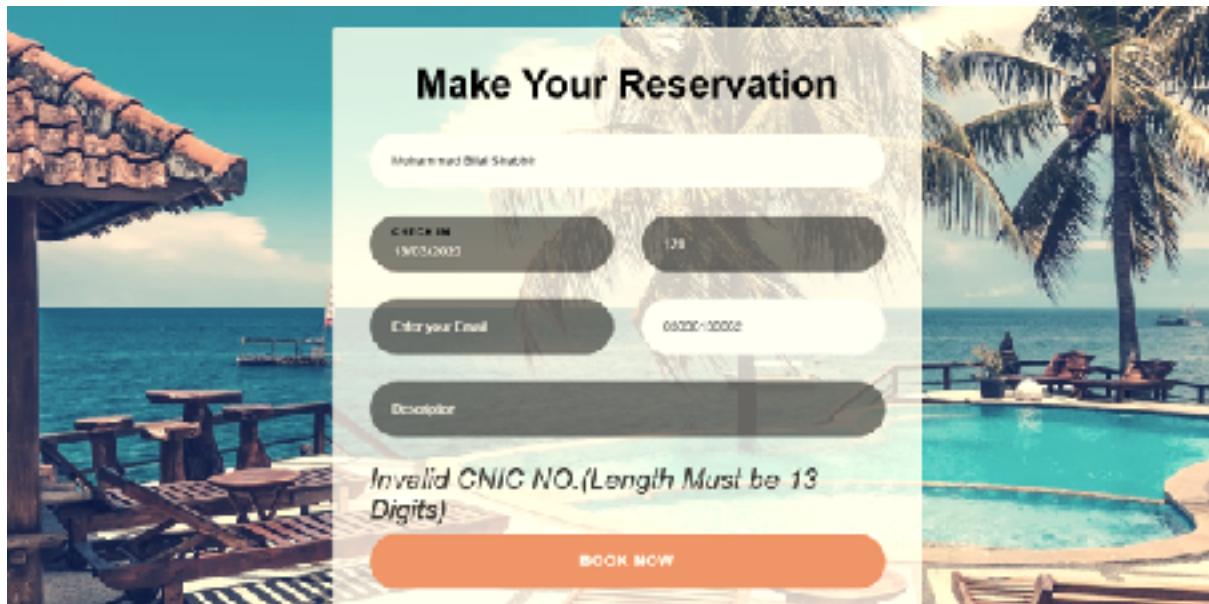


User Story 11

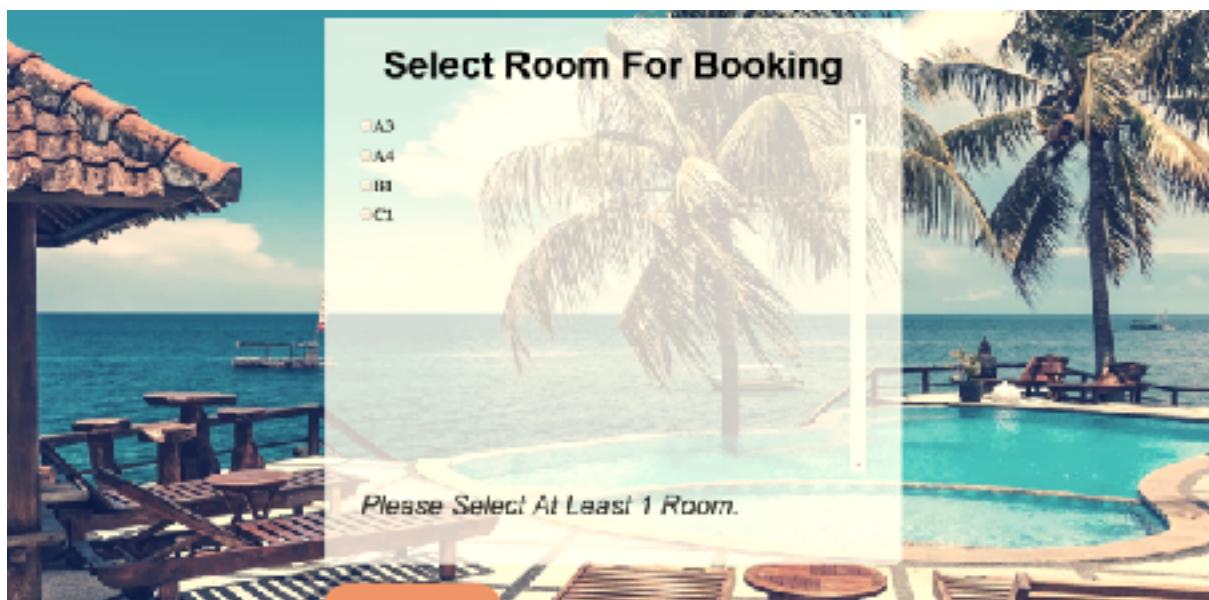
Phone No. Length must be greater than 11 digits



CNIC Length Must be greater than 13 digits



Select At least 1 room to make a booking (1 to Many Relationship)

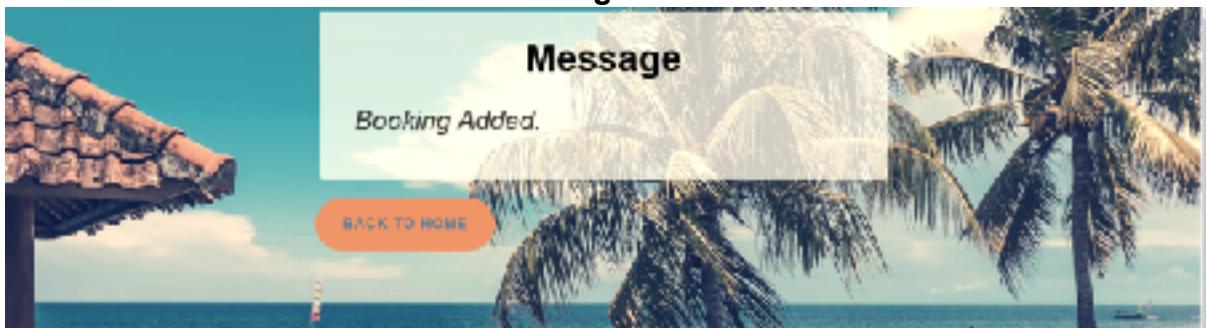


Booking Added.

Message

Booking Added.

[BACK TO HOME](#)

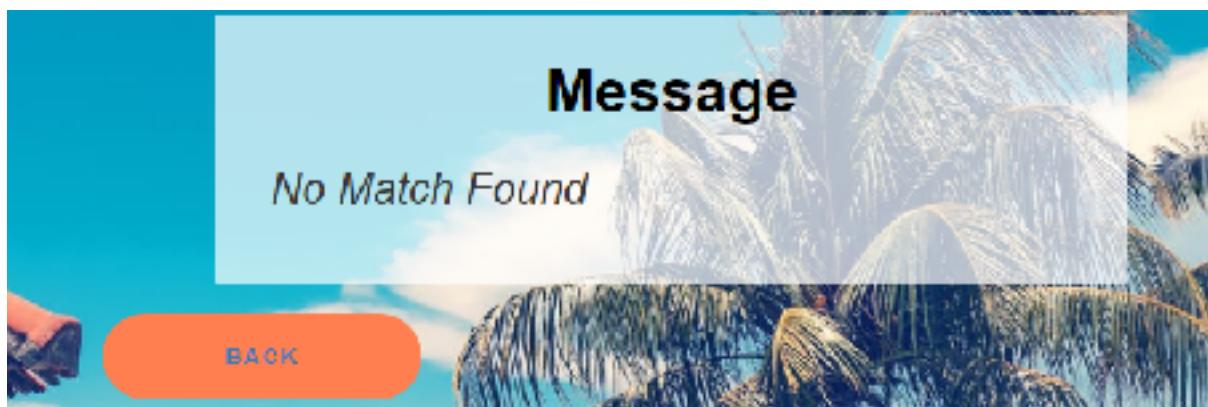
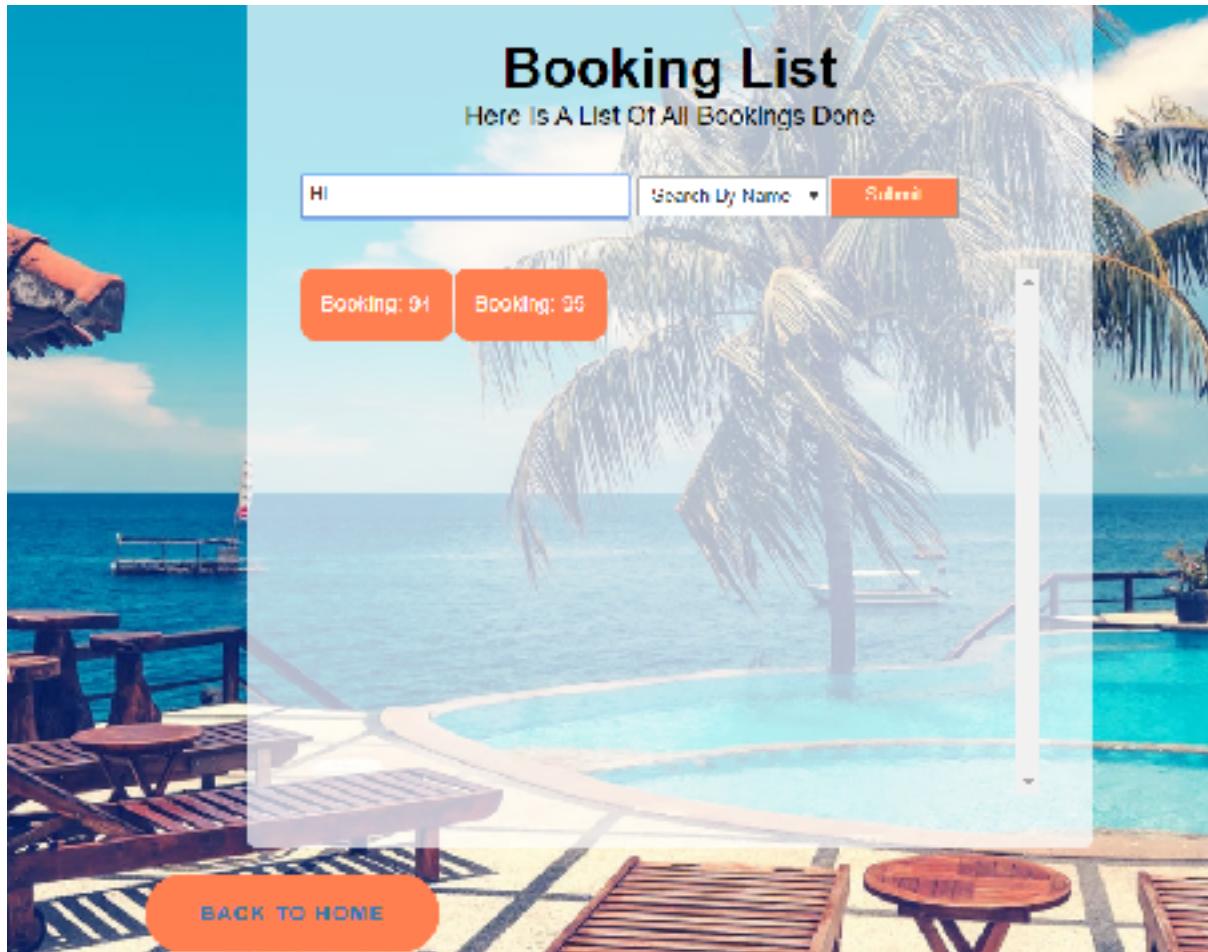


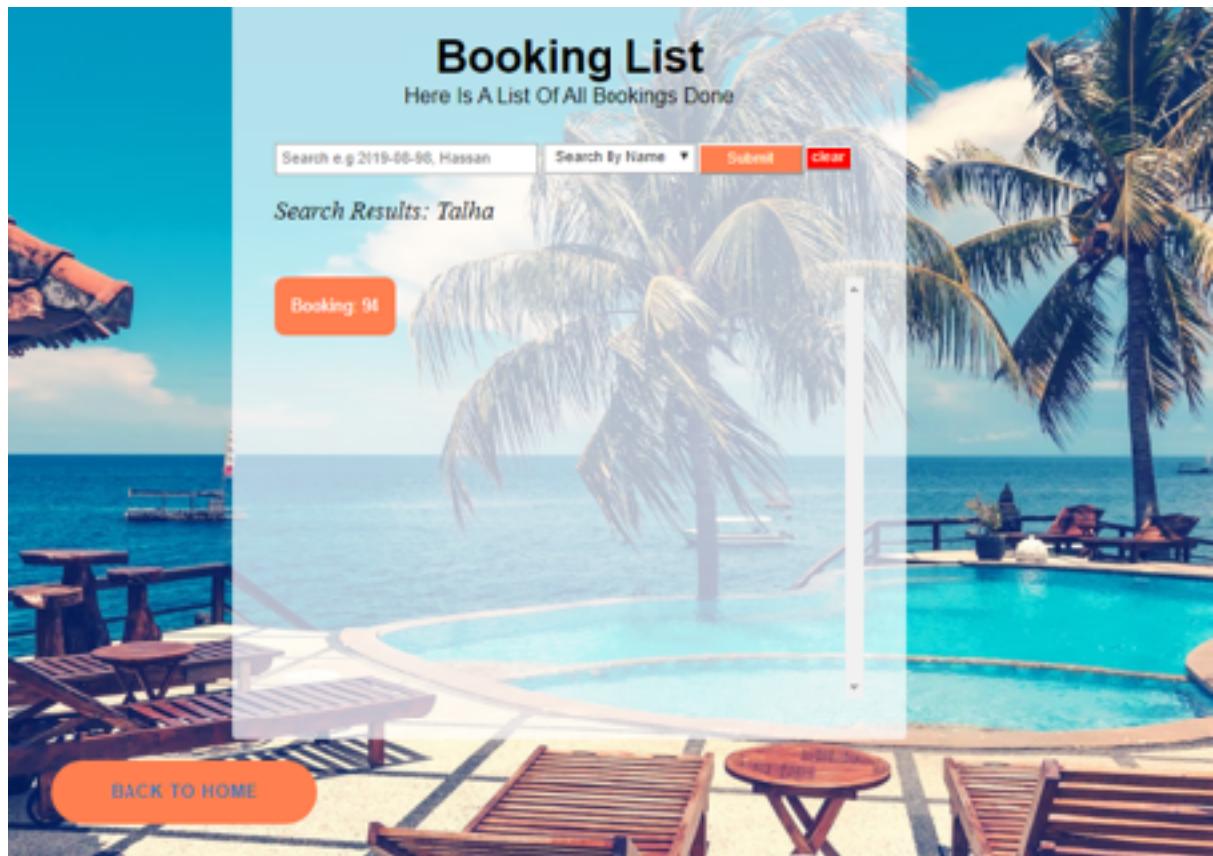
User Story 12

Sub User Story 12.1

Search Booking By Name

- If name not found, throw message.
- Show records that contains the search text

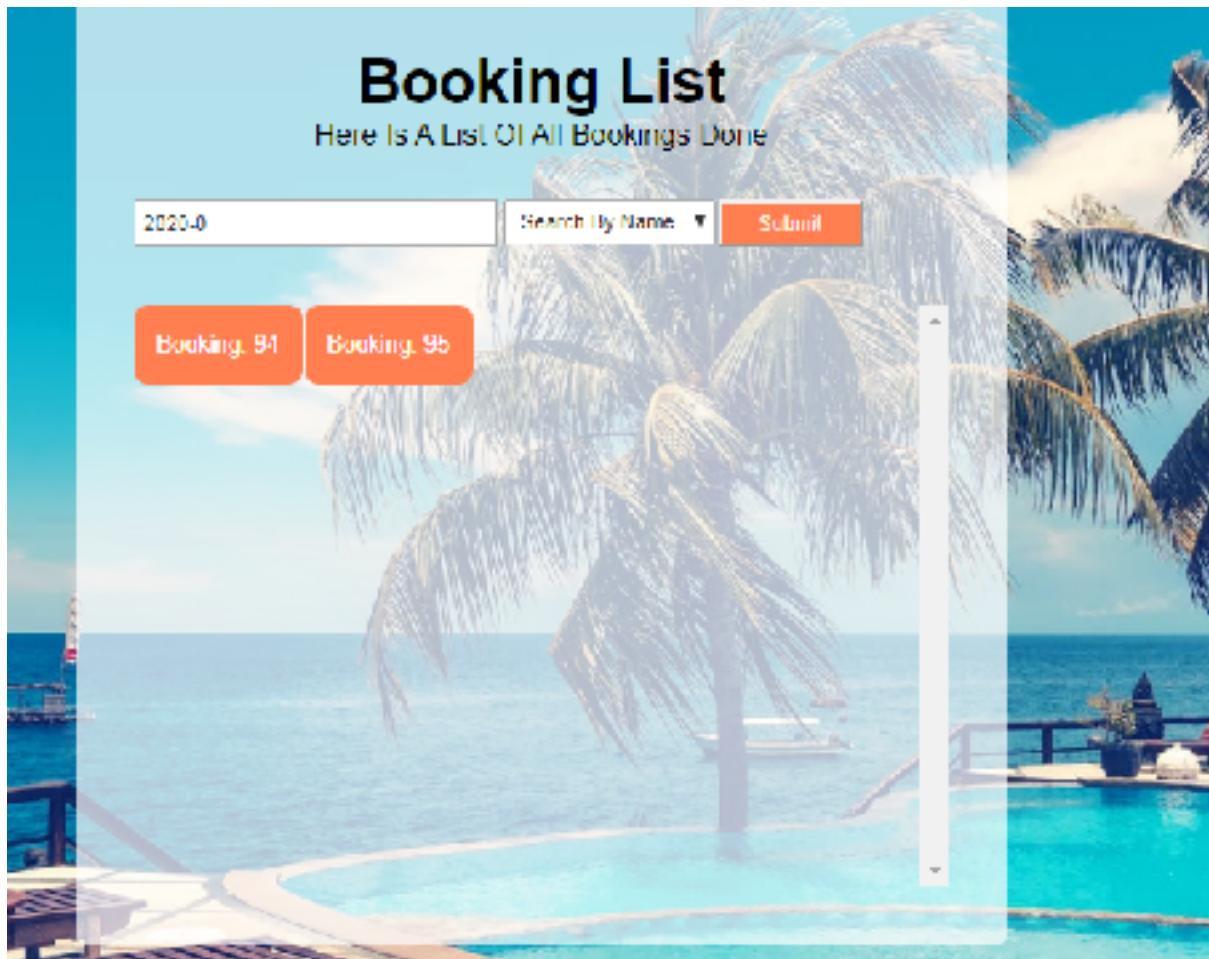


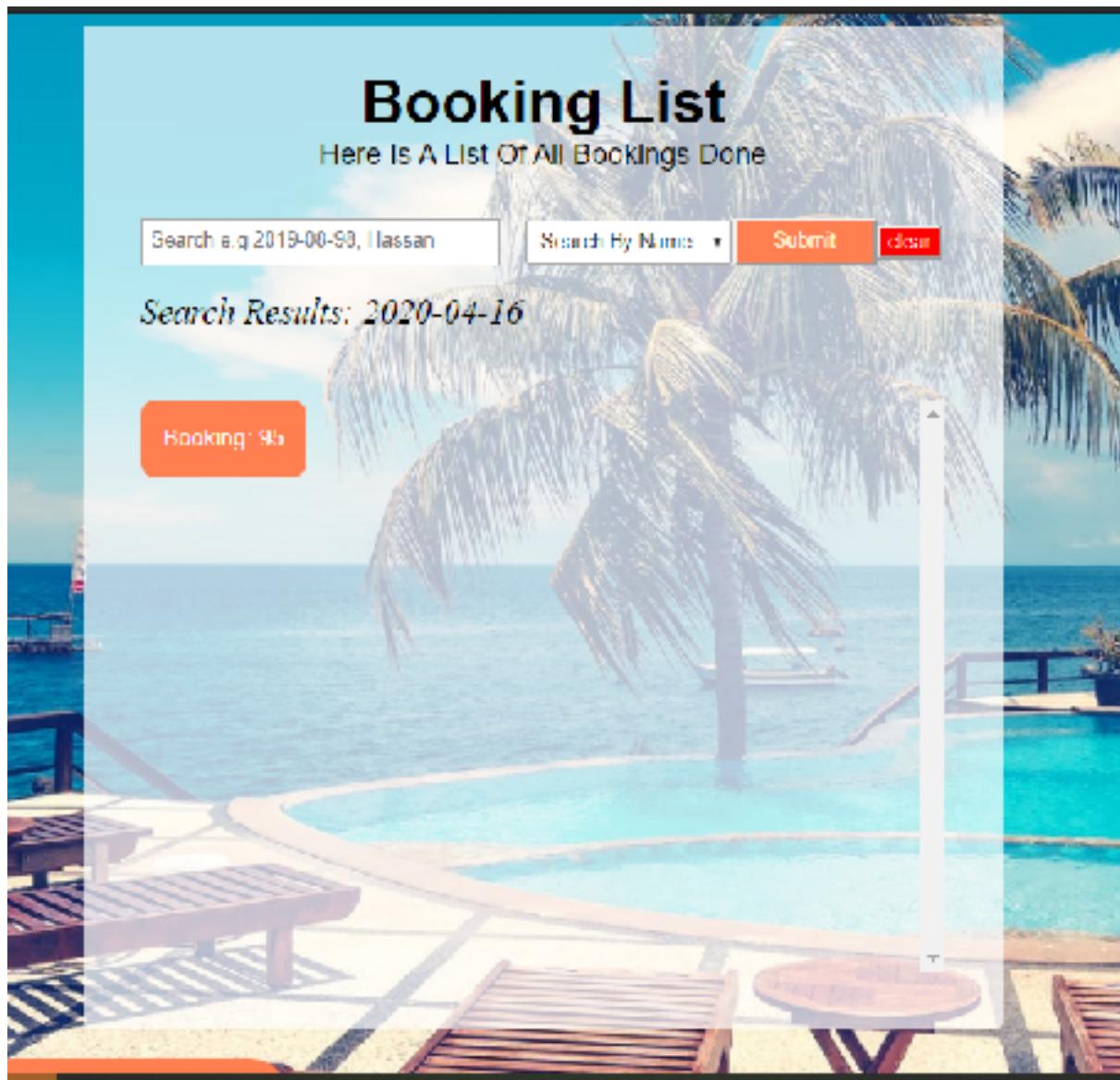


Sub User Story 12.2

Search Booking Date

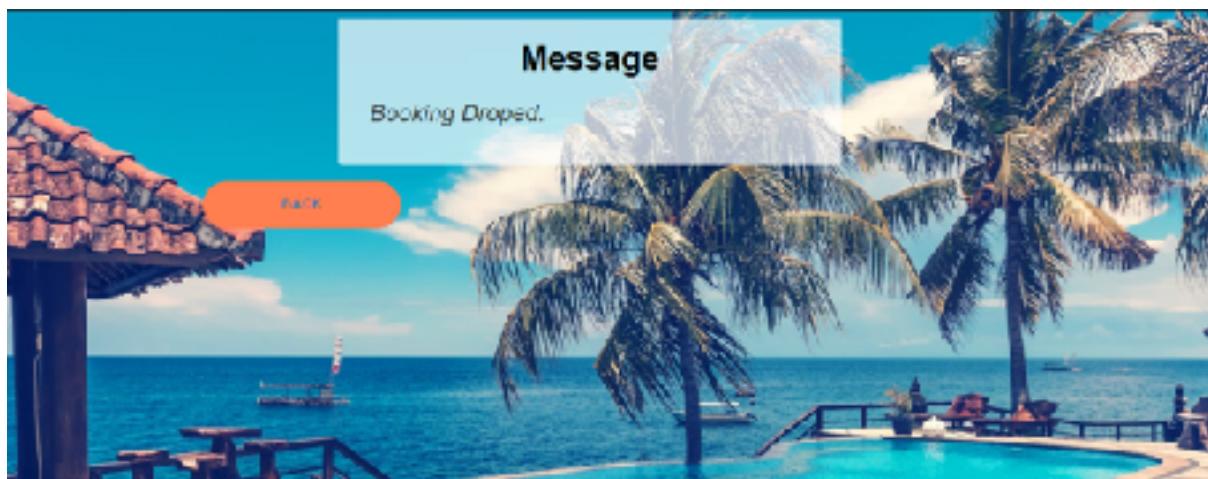
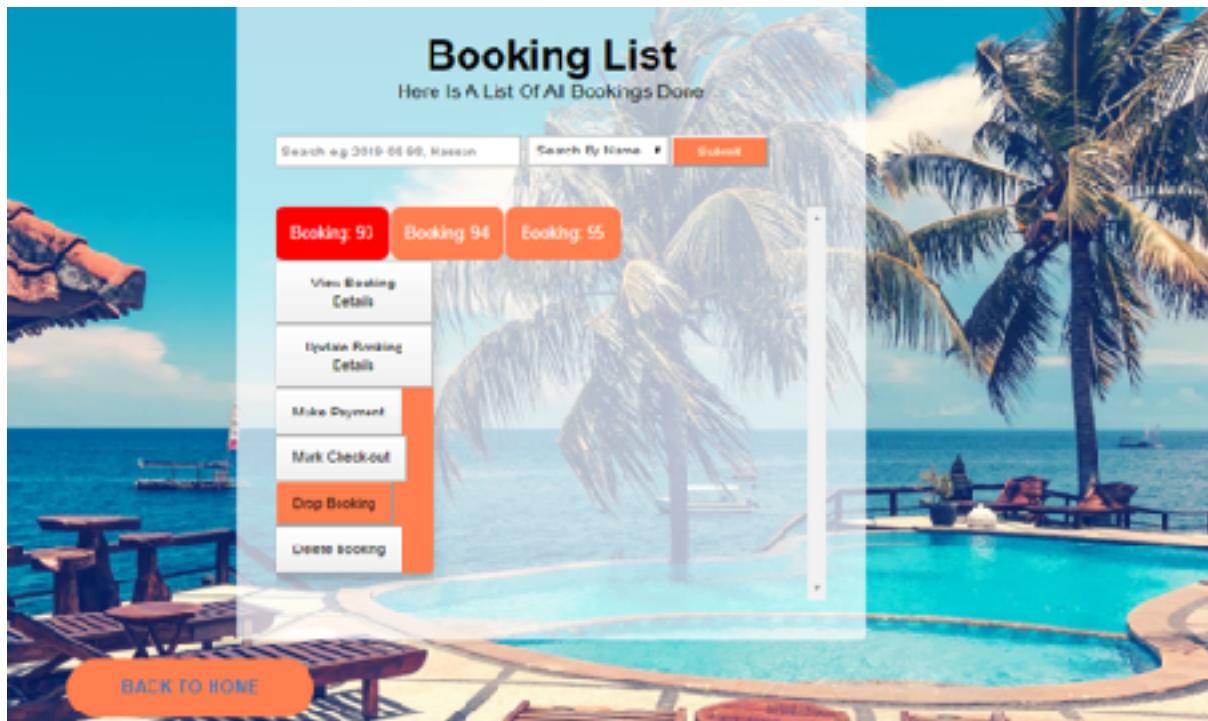
- If format is incorrect, throw error message
- Shows record that was checked-in on the given date





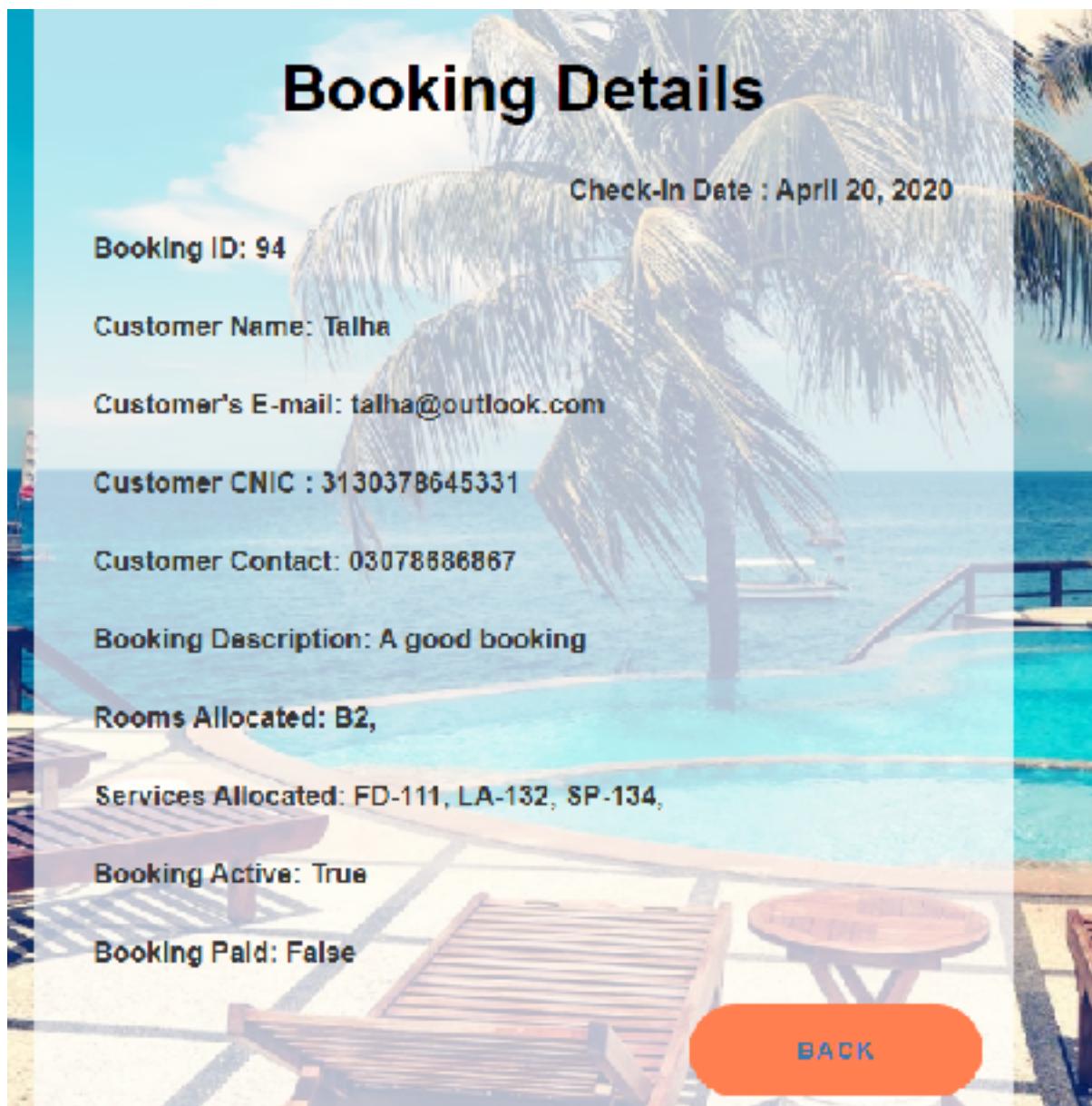
User Story 13

Drop Booking



User Story 14
Update Booking

- Before updating



Customer Name

CHECK IN
18/04/2020

tahng@outlook.com

03026130002

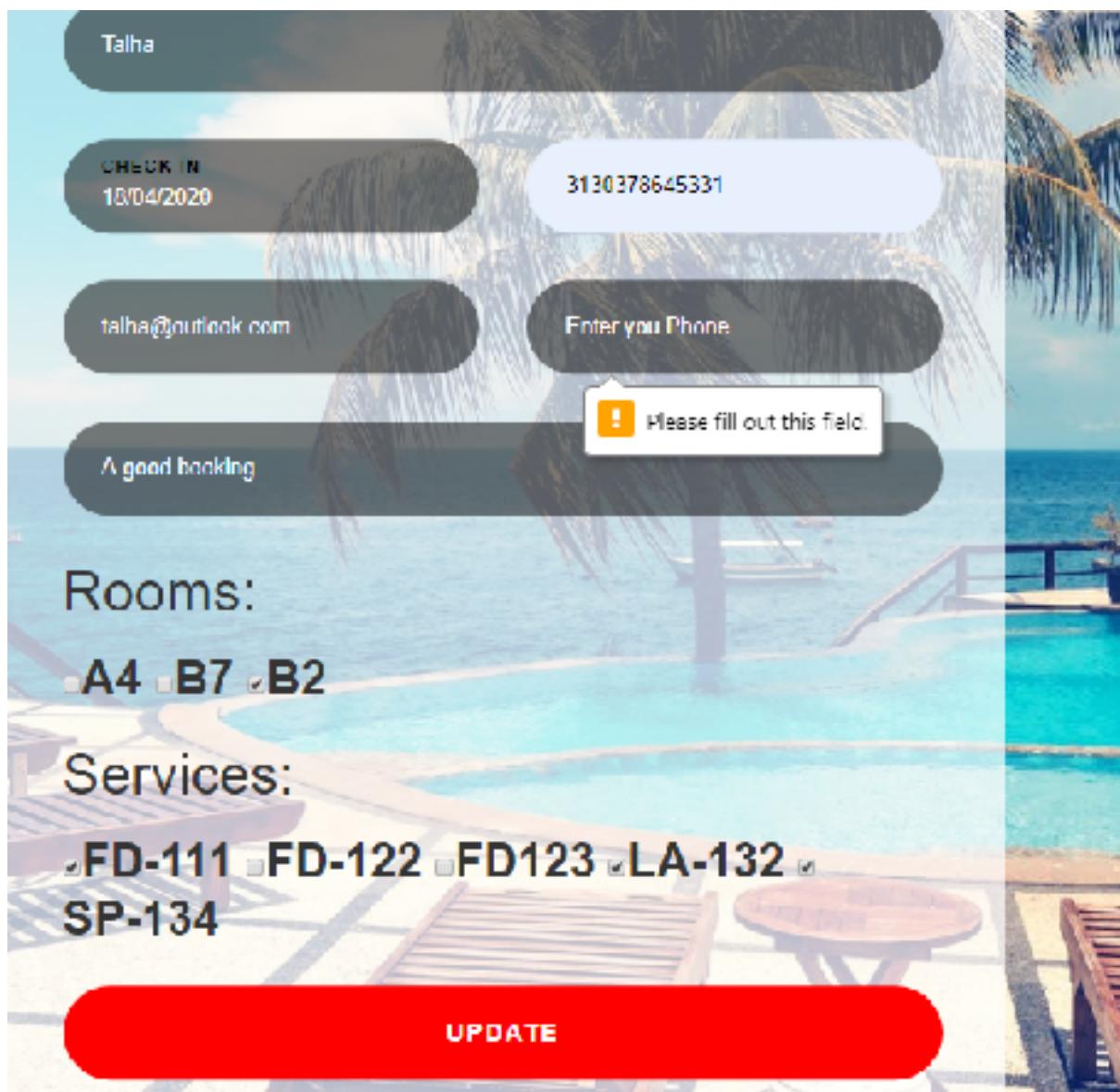
A good booking

Rooms:
A4 B7 B2

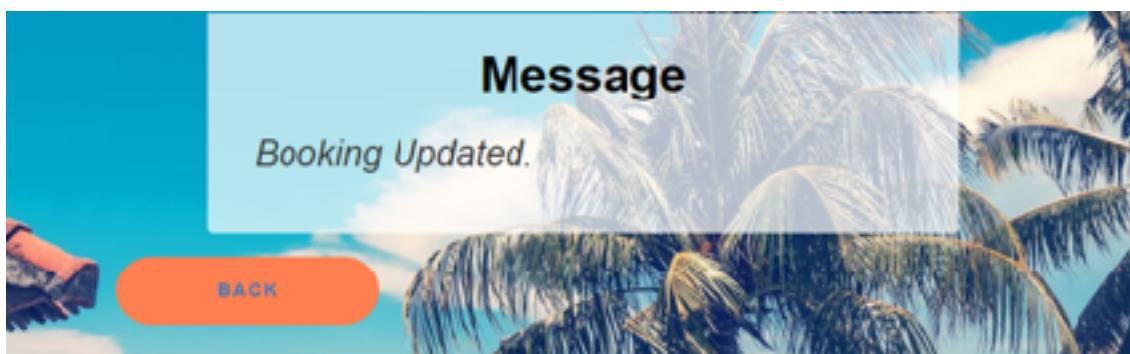
Services:
FD-111 FD-122 FD123 LA-132
SP-134

UPDATE

Please fill out this field.



- After updating



Booking Details

Check-In Date : April 18, 2020

Booking ID: 94

Customer Name: Talha

Customer's E-mail: talha@outlook.com

Customer CNIC : 3130378645331

Customer Contact: 08009787787

Booking Description: A good booking

Rooms Allocated: B7,

Services Allocated: FD-122, LA-132, 8P-134,

Booking Active: True

Booking Paid: False

[BACK](#)

User Story 15

Payment

Dream Residencia
A.K. Road
Islamabad, Pakistan
Phone:090078601

Date: 1st April, 2020
Receipt #: 1

Receipt

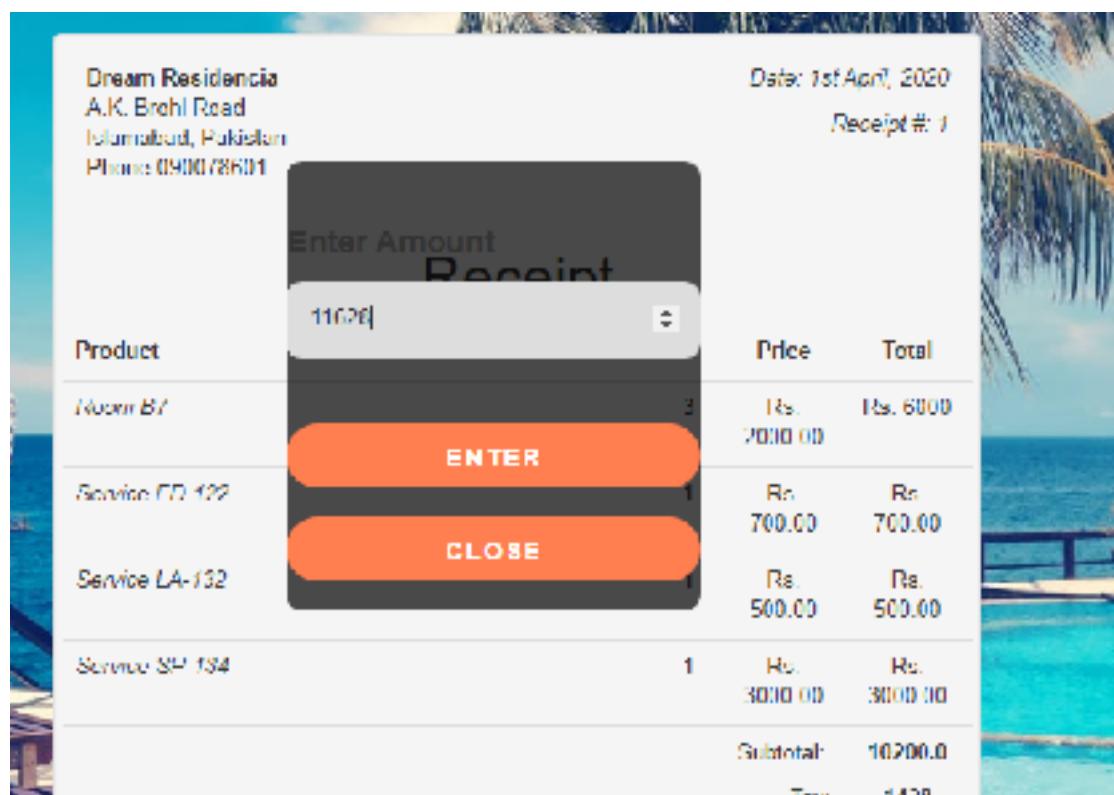
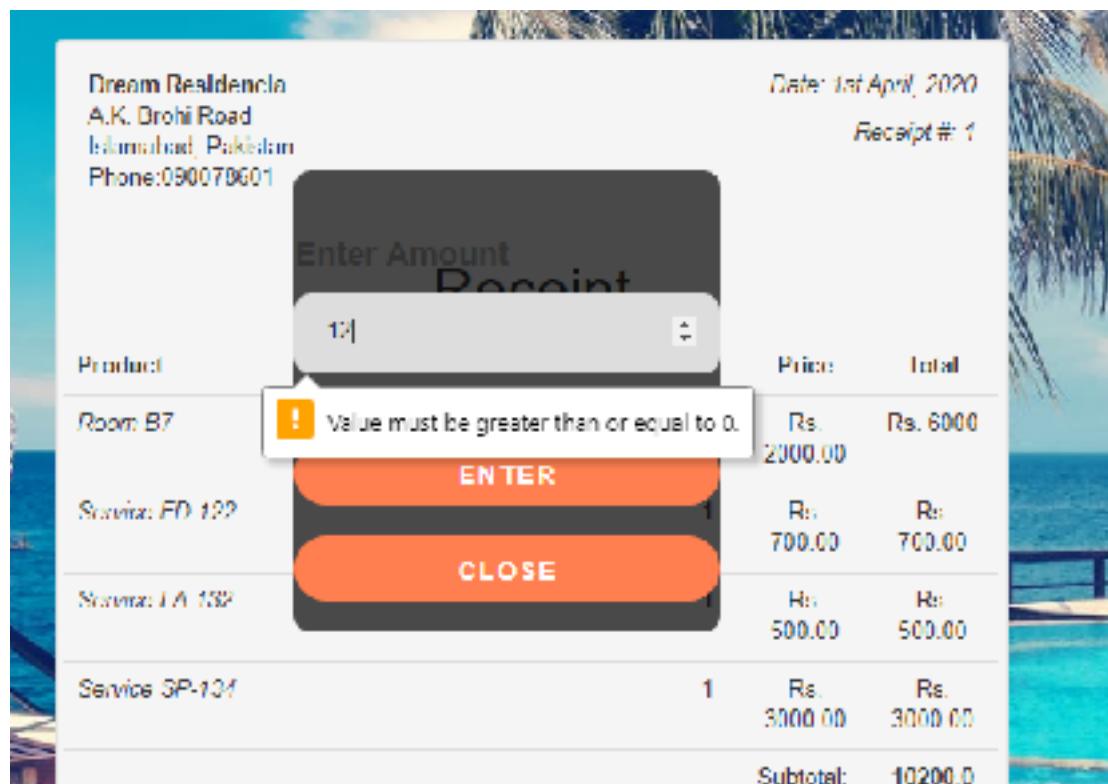
Product	#	Price	Total
Room B7	3	Rs. 2000.00	Rs. 6000
Reserve H1 122	1	Rs. 700.00	Rs. 700.00
Reserve I A 132	1	Rs. 500.00	Rs. 500.00
Reserve GP 104	1	Rs. 3000.00	Rs. 3000.00
		Subtotal:	10200.00
		Tax:	1428
			Total: 11628.0

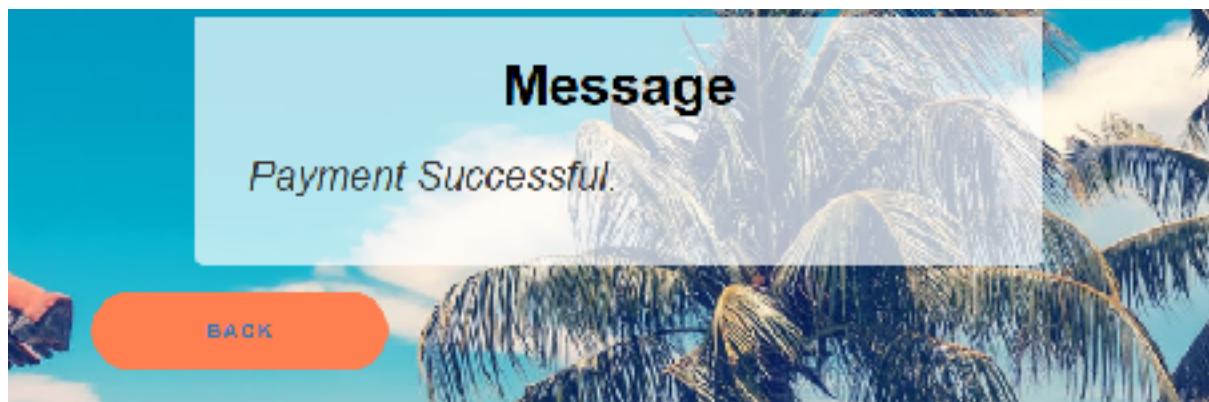
BACK **PAY NOW**

Sub User Story 15.1

Payment by Cash

- Do not Accept Invalid or Negative Amount





Sub User Story 15.2

Payment by Card

- Error, Invalid Email
- Error, Invalid Zip
- Error, Invalid Card Number
- Error, Invalid Year

A screenshot of a payment form titled "Make Payment For booking". The background features a tropical beach and palm trees. The form is divided into two main sections: "Billing Address" on the left and "Payment" on the right.
Billing Address:

- Full Name: [Input field]
- Bill: [Input field]
- Email: [Input field] (containing "test@gmail.com")
- Address: [Input field] (containing "Steel 29 Paradise")
- City: [Input field] (containing "Islamabad")
- Country: [Input field] (containing "Pakistan")
- Zip: [Input field] (containing "1")

Payment:

- Accepted Cards: [Image showing icons for Visa, Mastercard, American Express, and Discover]
- Name on Card: [Input field]
- Credit card number: [Input field] (containing "111-1222-3333-4444")
- Exp month: [Input field] (containing "September")
- Exp year: [Input field]

A yellow warning message at the bottom left says: "Please remember that this is a test account you are currently using 1 maximum".

At the bottom are two buttons: "MAKE PAYMENT" on the left and "BACK" on the right.

Make Payment For booking

Billing Address

Full Name:

Email:

Please include an '@' in the email address. It's missing on '@'.

Phone:

City:

Zip:

Payment

Accepted Cards:

Name on Card:

Credit card number:

Exp. Month:

Exp. Year:

NEXT PAYMENT **BACK**

Make Payment For booking

Billing Address

Full Name: Bilal

Email: bil@gmail.com

Address: Street 29 Rawalpindi

City: Islamabad

Country: Pakistan

Zip: 64000

Payment

Accepted Cards: VISA, MASTERCARD, AMEX, JCB

Name on Card: Bilal

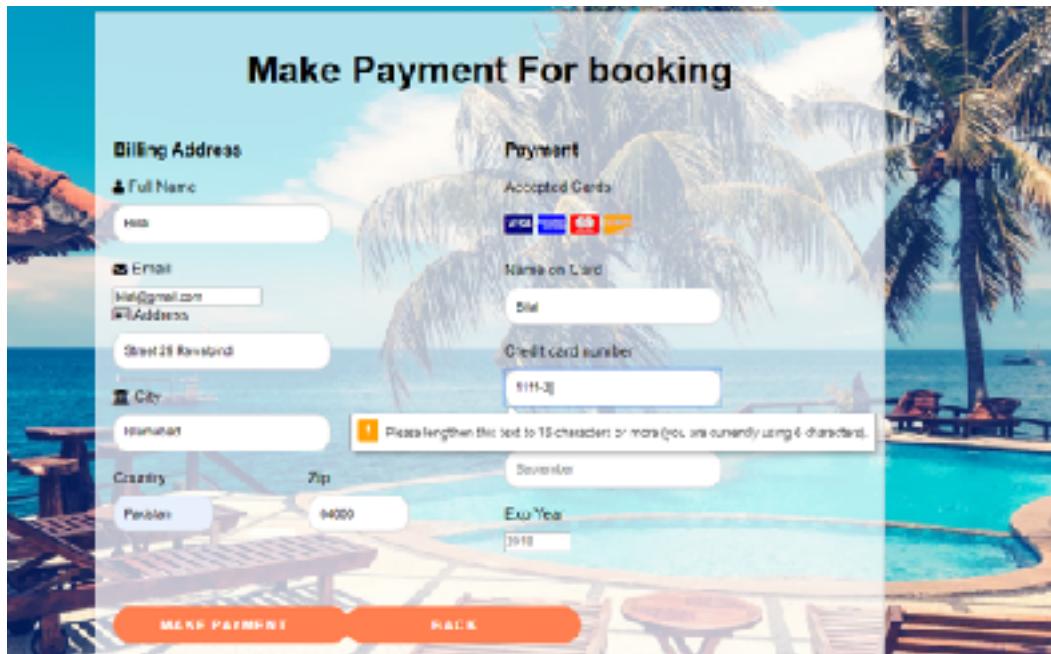
Credit card number: 6111-31

Please lengthen this text to 10 characters or more (you are currently using 6 characters.)

Exp Month: September

Exp Year: 2018

MAKE PAYMENT **BACK**



Make Payment For booking

Billing Address

Full Name: Bilal

Email: bil@gmail.com

Address: Street 29 Rawalpindi

City: Islamabad

Country: Pakistan

Zip: 64000

Payment

Accepted Cards: VISA, MASTERCARD, AMEX, JCB

Name on Card: Bilal

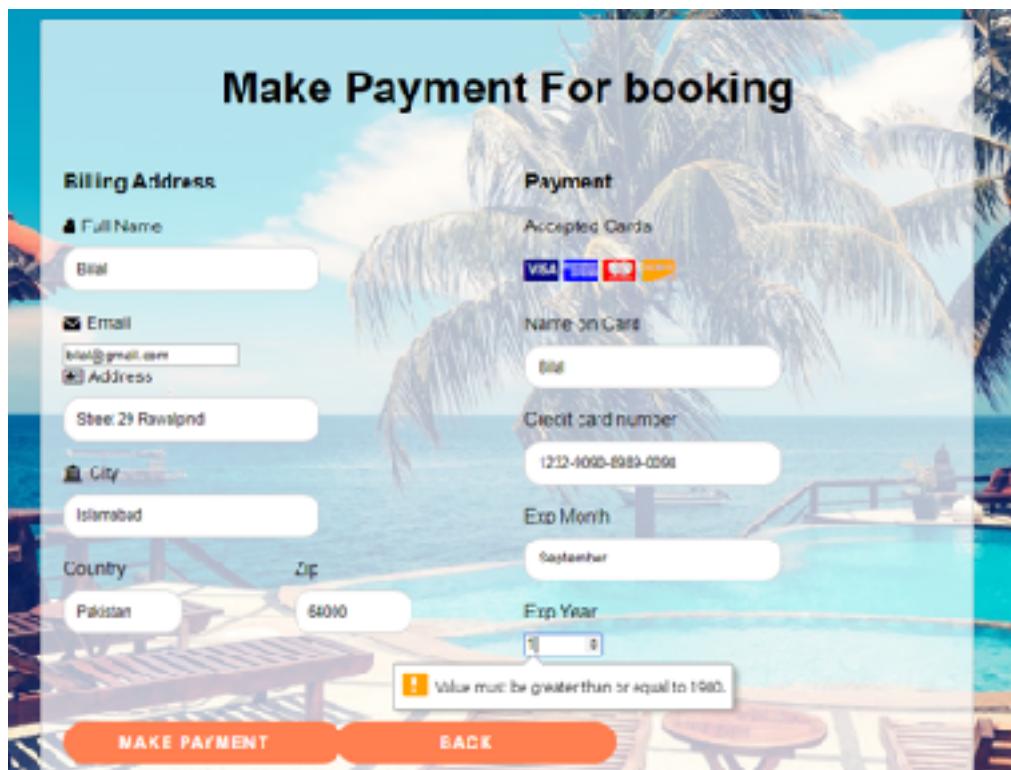
Credit card number: 1234-0000-8989-0000

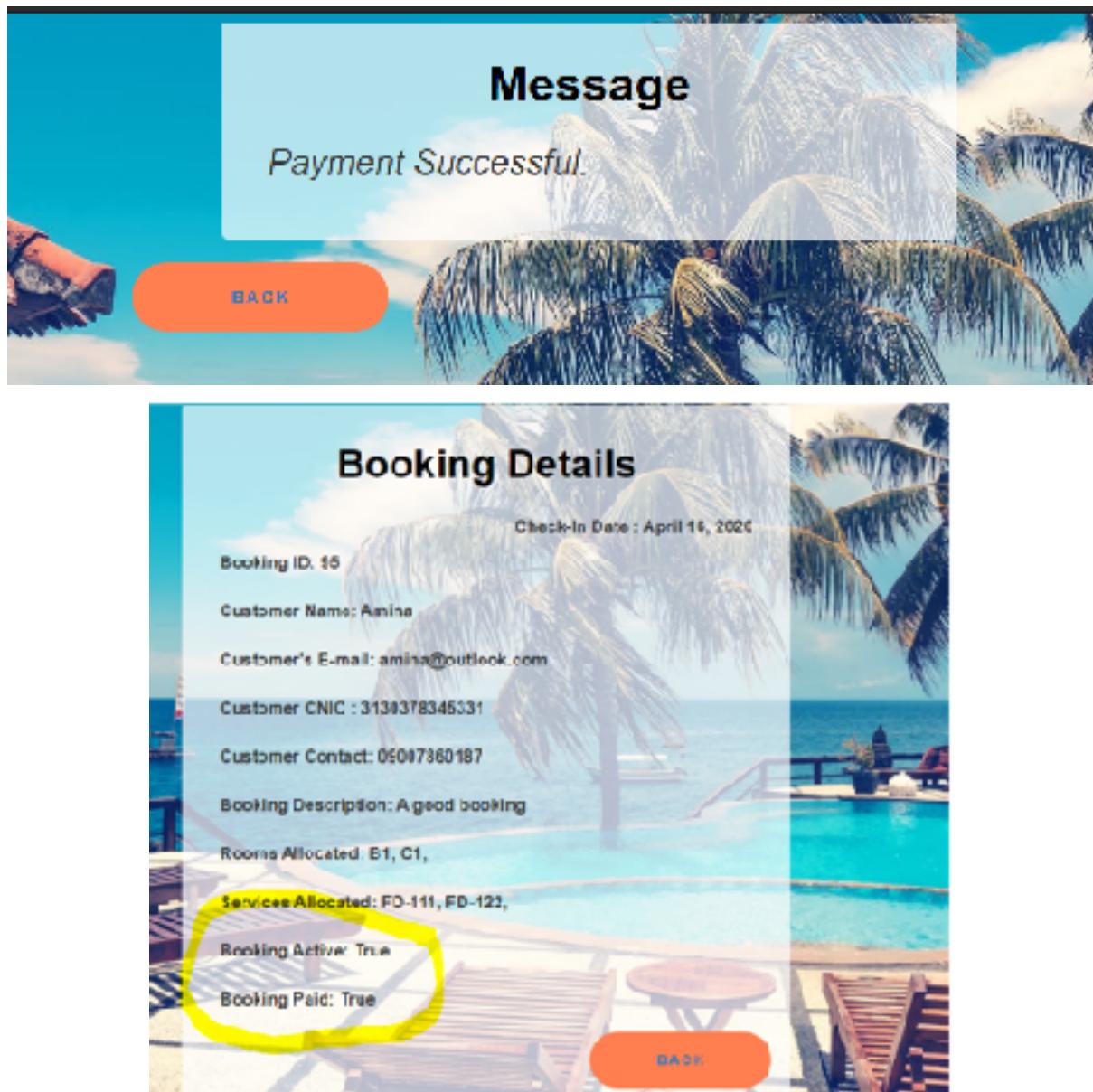
Exp Month: September

Exp Year: 2018

Value must be greater than or equal to 1000.

MAKE PAYMENT **BACK**

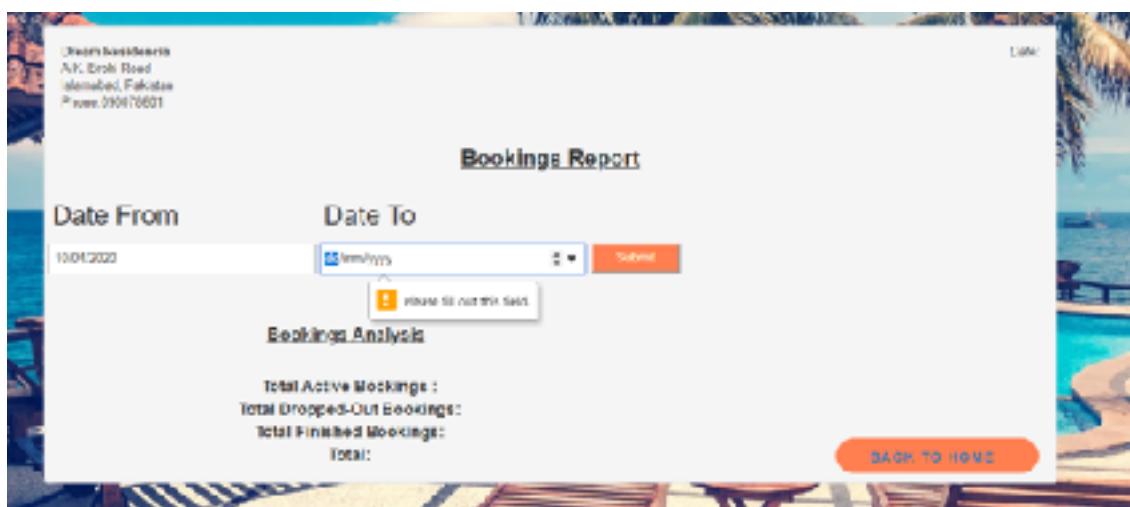
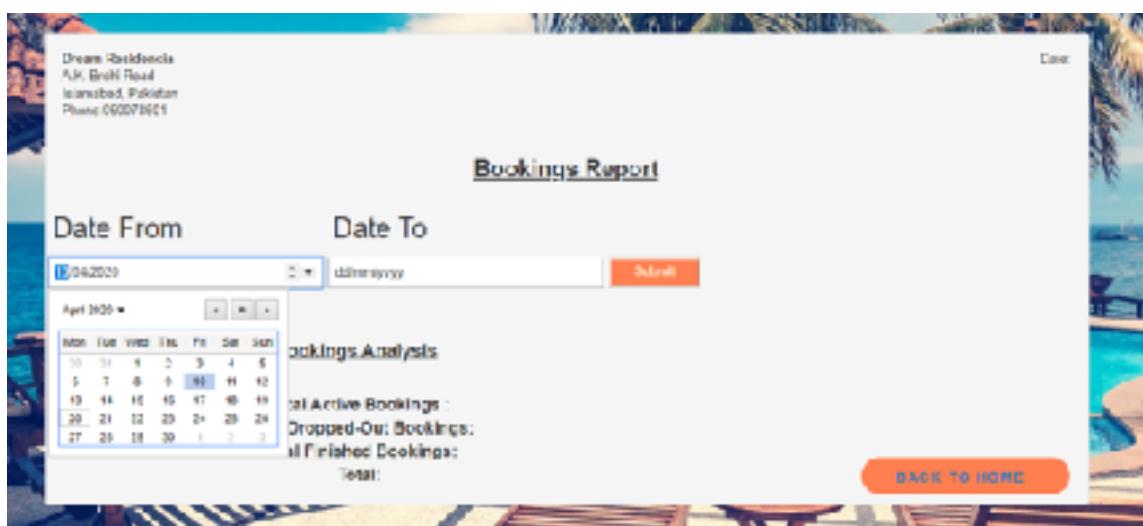
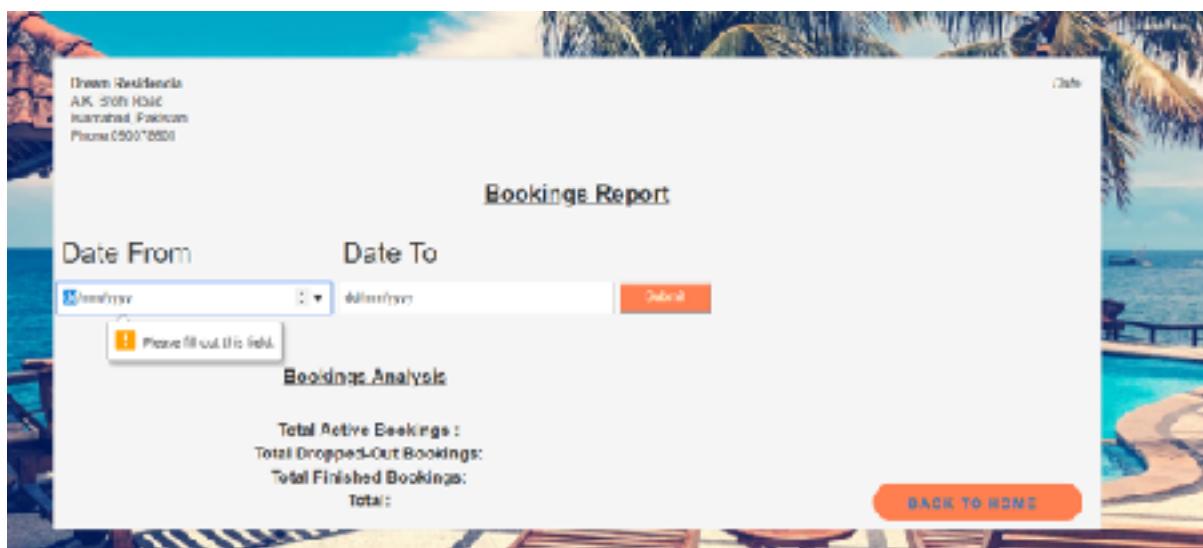




User Story 16

Booking Report

- Date From Must be Filled
- Date To Must be Filled



Breeze Residiums
A.K. Bratti Road
Islamabad, Pakistan
Phone: 350978001

Date: April 20, 2020

Bookings Report

Date From		Date To			
10/04/2020		20/04/2020		<input type="button" value="Submit"/>	

Name	Check-IN	Check-OUT	Email	Contact	Status
Aliya	April 10, 2020	April 20, 2020	fbblak90@gmail.com	03036130002	Dropped
Talha	April 10, 2020	None	talhaoutlook.com	03009761767	Active
Amina	April 10, 2020	None	amina@outlook.com	034070564167	Active

Bookings Analysis

Total Active Bookings : 3
 Total Dropped-Out Bookings: 1
 Total Finished Bookings: 0
 Total:3

[BACK TO HOME](#)

User Story 17

Finance Report

- **Date From Must be Filled**
- **Date To Must be Filled**

Umar Residency
A/C, Beni Road
Islamabad, Pakistan
Phone: 92317851

Finance Report

Date From Date To

! Please fill out this field.

Finance Analysis

Total Amount: Rs.
Total Earnings: Rs.
Loss: Rs.

Umar Residency
A/C, Beni Road
Islamabad, Pakistan
Phone: 92317851

Finance Report

Date From Date To

! Please fill out this field.

Finance Analysis

Total Amount: Rs.
Total Earnings: Rs.
Loss: Rs.

Umar Residency
A/C, Beni Road
Islamabad, Pakistan
Phone: 92317851

Date: April 29, 2020

Finance Report

Date From Date To

Name	Check-IN	Check-OUT	Total Amount	Paid Amount	Status
Bilal	April 16, 2020	April 29, 2020	4.00	4.00	Dropped
Tahira	April 16, 2020	None	1,628.00	1,628.00	Active
Amna	April 16, 2020	None	1,767.00	1,767.00	Active

Finance Analysis

Total Amount: Rs. 30790.00
Total Earnings: Rs. 30790.00
Loss: Rs. 0.00

Boundary Value and Equivalent Class Partitions

Rooms

room-id:

1) Equivalence Class Partitions:

- a. It will not let the user type more than 10 values

Invalid EC	Valid EC	Invalid EC
Length<2	2≤Length≤10	Length>10

2) Boundary Value Test

- a. It will not let the user type more than 10 values so Maximum test is not needed.

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
1	2	4	10	11

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed

The screenshot shows a web-based application for adding a room. The main title is "Add Room". The form has the following fields:

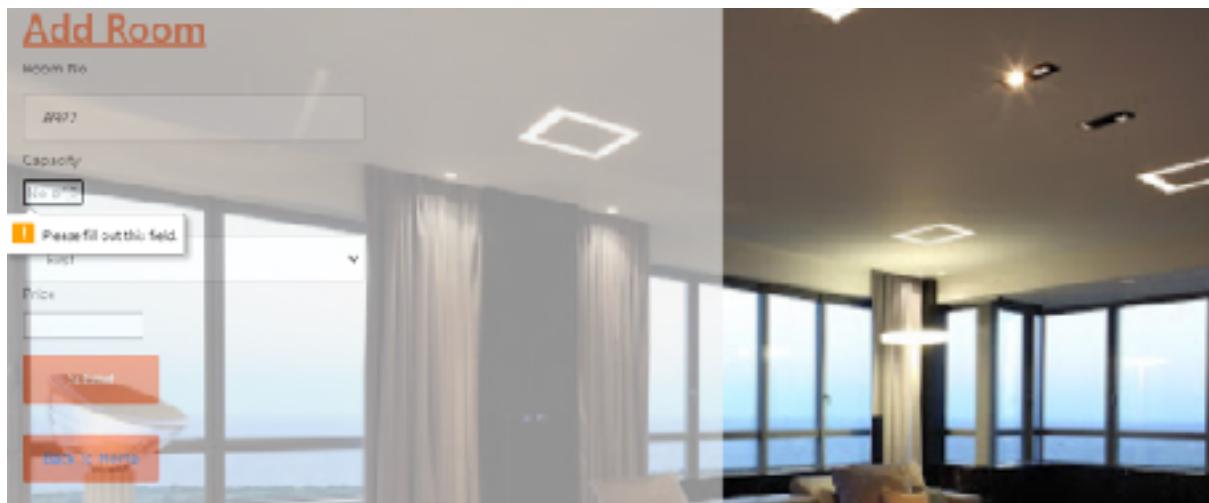
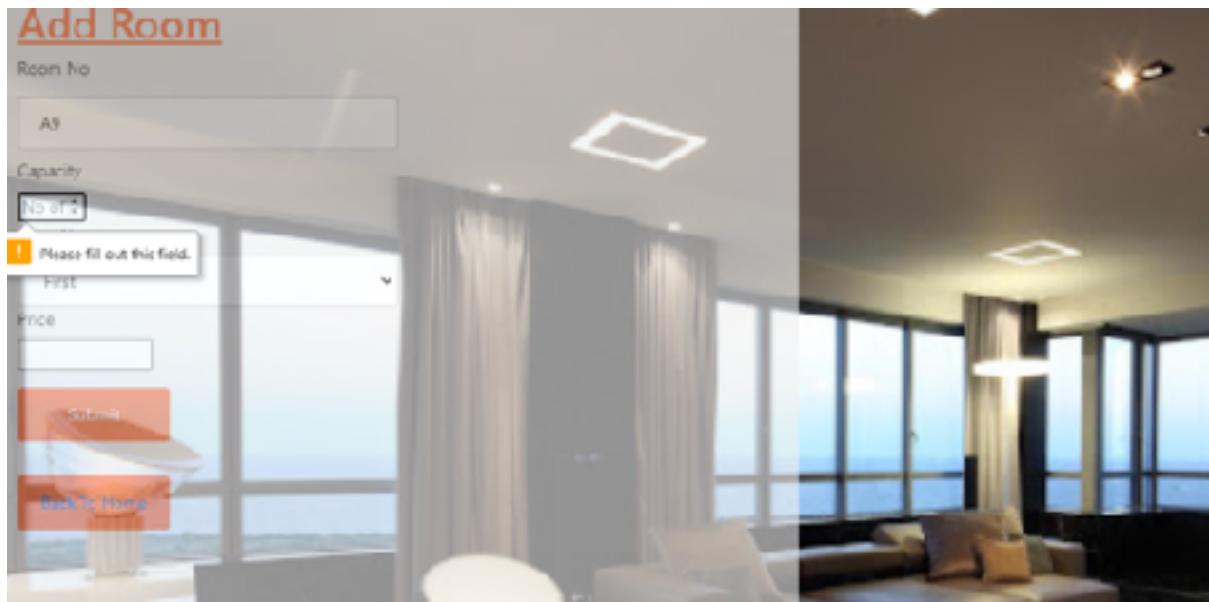
- Room No: A text input field containing the letter "A".
- Floor No: A dropdown menu set to "First".
- Price: An empty text input field.

Below the form are two buttons:

- A large orange "Submit" button.
- A smaller orange "Back To Home" button.

A validation message is displayed in a white box with a red border, positioned over the "Floor No" field:

! Please lengthen this text to 2 characters or more (you are currently using 1 character).



Add Room

Room No

Capacity

No of

Floor No

First

Price

Submit

Back To Home

capacity:

1) Equivalence Class Partitions:

Invalid EC	Valid EC	Invalid EC
Value<1	1<=Value<=6	Value>6

2) Boundary Value Test

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
0	1	3	6	7

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed **SS-5:** Not Passed

Add Room

Room No

Capacity

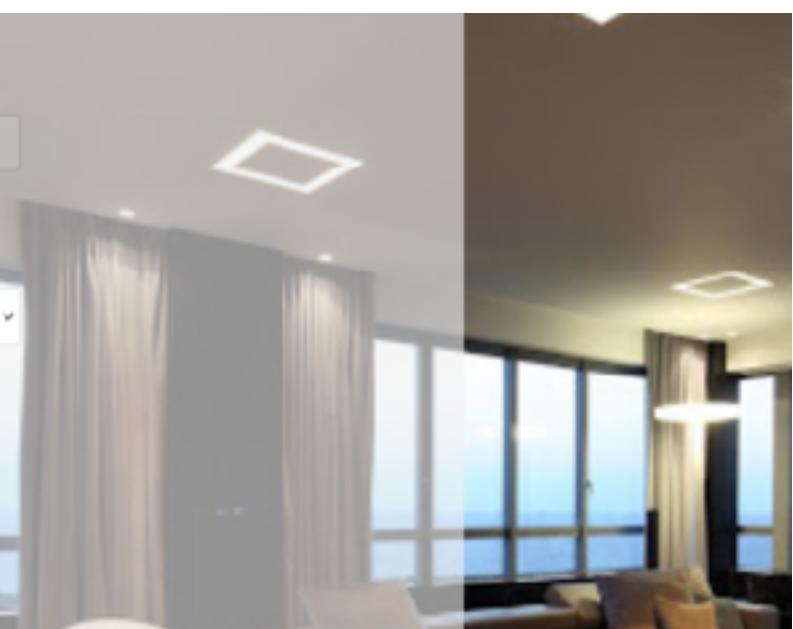
Value must be greater than or equal to 1.

Floor:
FIRST

Price

Submit

Back To Home



Add Room

Room No

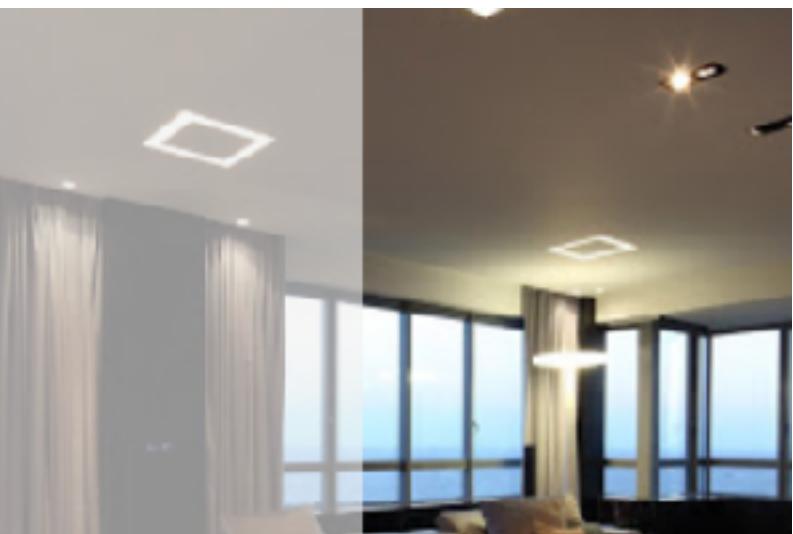
Capacity

Floor No:
FIRST

Price

Submit

Back To Home



Add Room

Room No
A922

Capacity
6
Floor No
First

Price

[Submit](#)

[Back To Home](#)

Add Room

Room No
A922

Capacity
6
Floor No
First

Price

[Submit](#)

[Back To Home](#)

Add Room

Room No
A922

Capacity
 6

! Value must be less than or equal to 6.

Floor
First

Price

[Submit](#)

[Back To Home](#)

price:

1) Equivalence Class Participation:

Invalid EC	Valid EC	Invalid EC
Value<0	0<=Value<=100000	Value>100000

2) Boundary Value Test

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
-1	0	1000	100000	100001

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed **SS-5:** Not Passed

Add Room

Room No: A822

Capacity: 4

Floor No: First

Price: 1

! Value must be greater than or equal to 0.

[Back To Home](#)

Add Room

Room No

A922

Capacity

4

Floor No

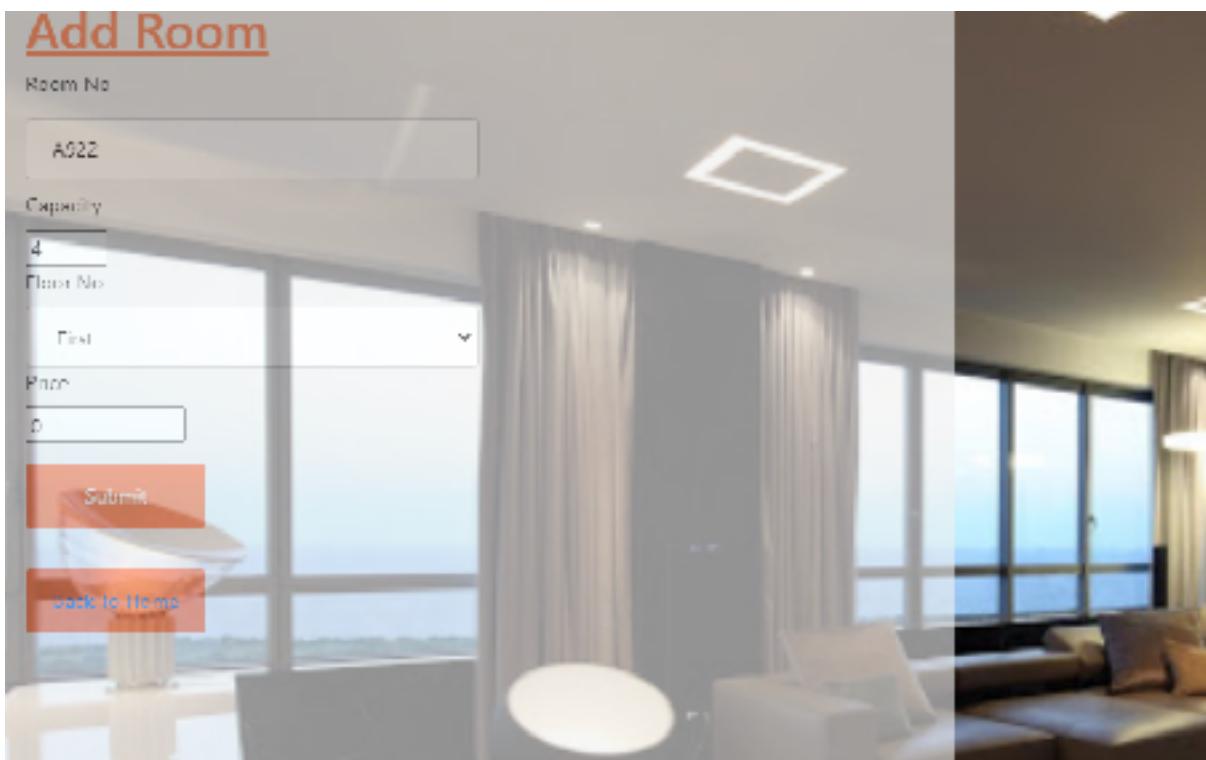
First

Price

0

Submit

Back To Home



Add Room

Room No

A922

Capacity

4

Floor No

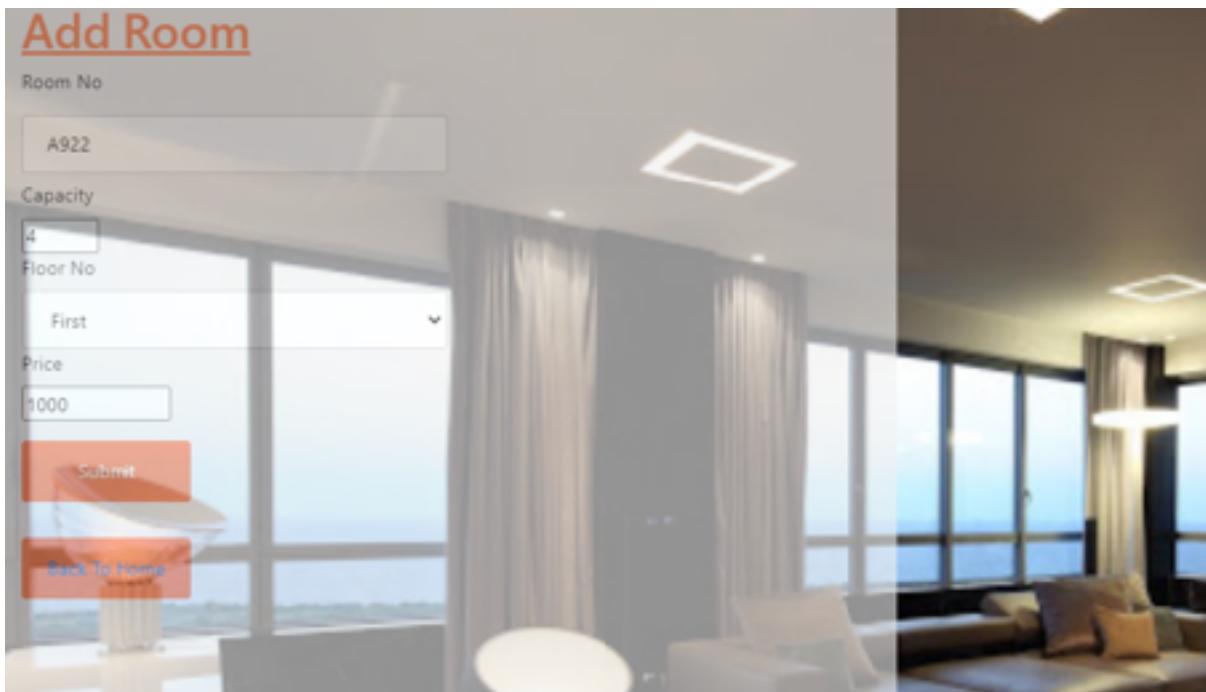
First

Price

1000

Submit

Back To Home



Add Room

Room No.

A922

Capacity

4

Floor No.

First

Price

100000

Submit

Back To Home

Add Room

Room No.

A922

Capacity

4

Floor No.

First

Price

100001

! Value must be less than or equal to 100000.

Back To Home

Services

service-id:

1) Equivalence Class Partitions:

- a. It will not let the user type more than 10 values

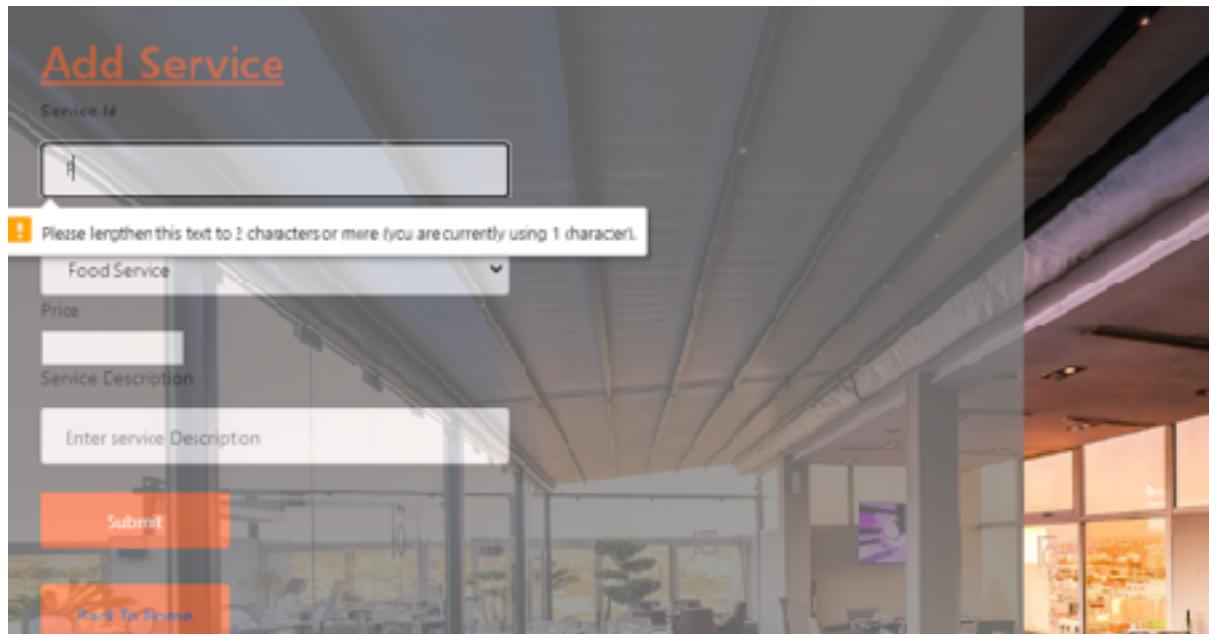
Invalid EC	Valid EC	Invalid EC
Length<2	2≤Length≤10	Length>10

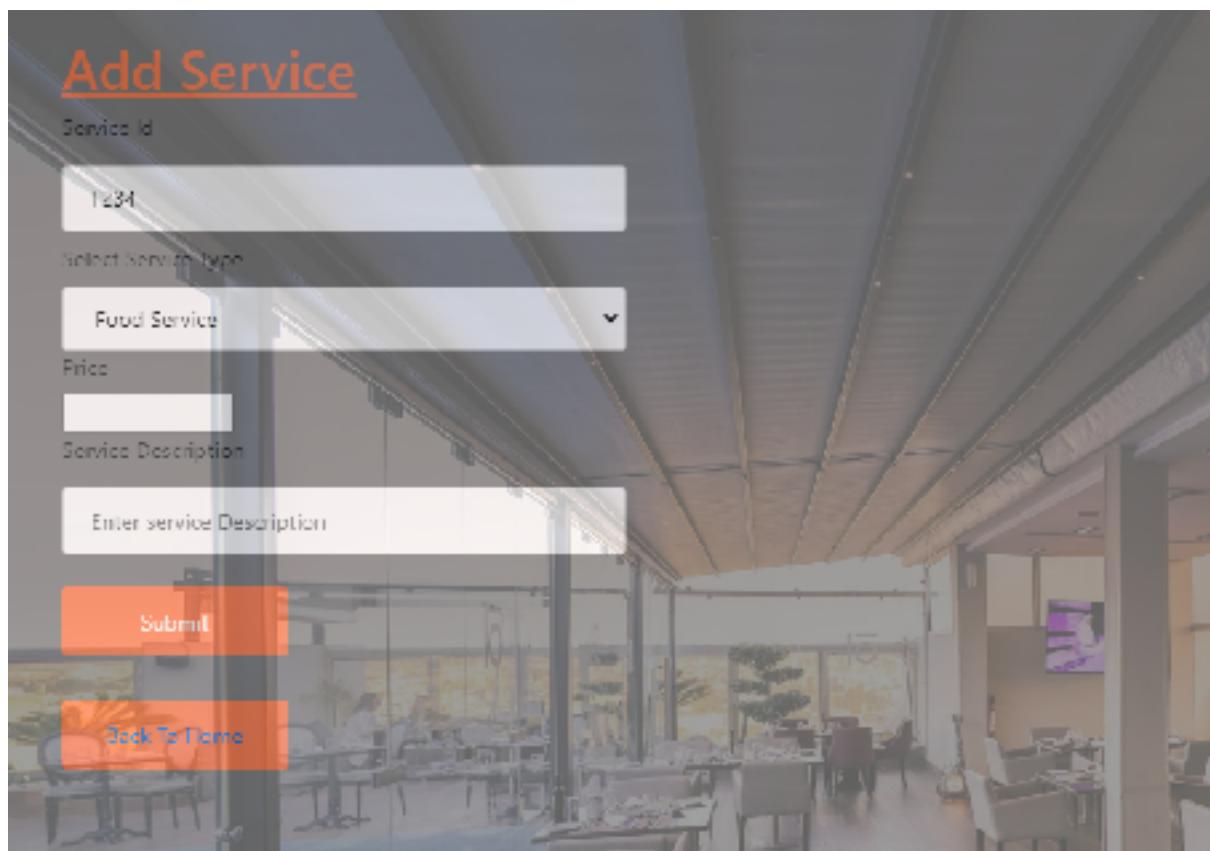
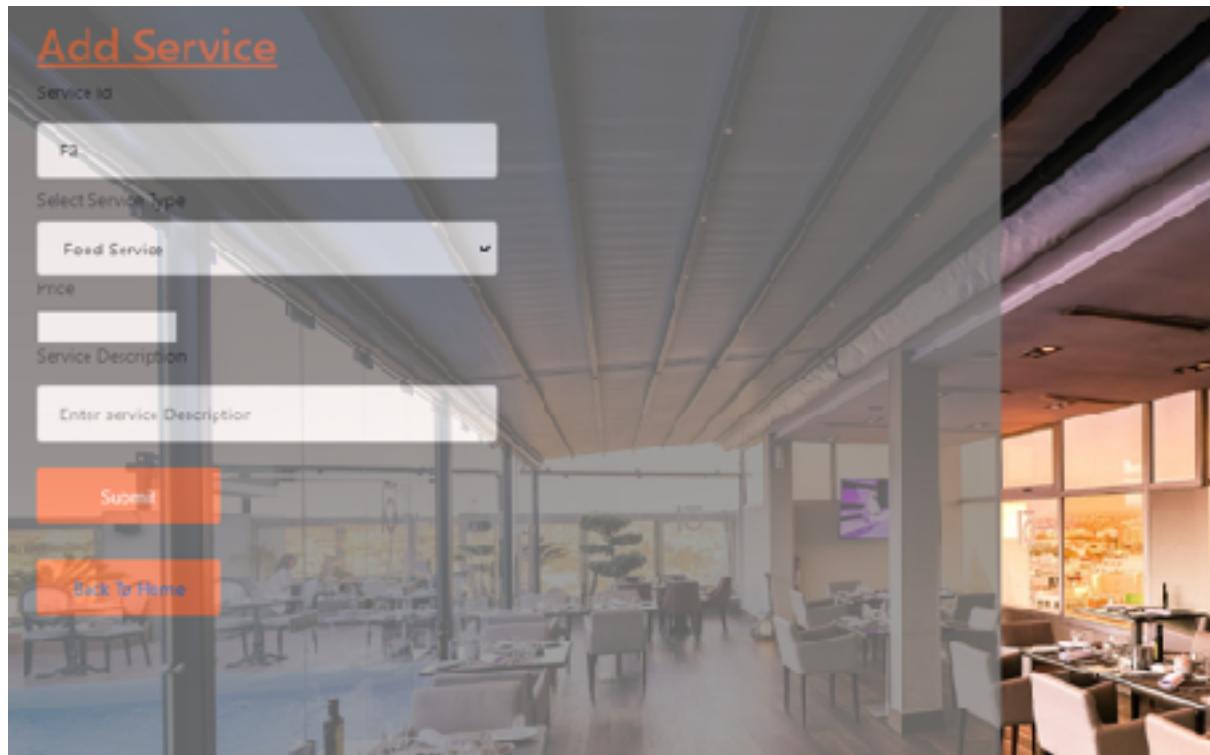
2) Boundary Value Test

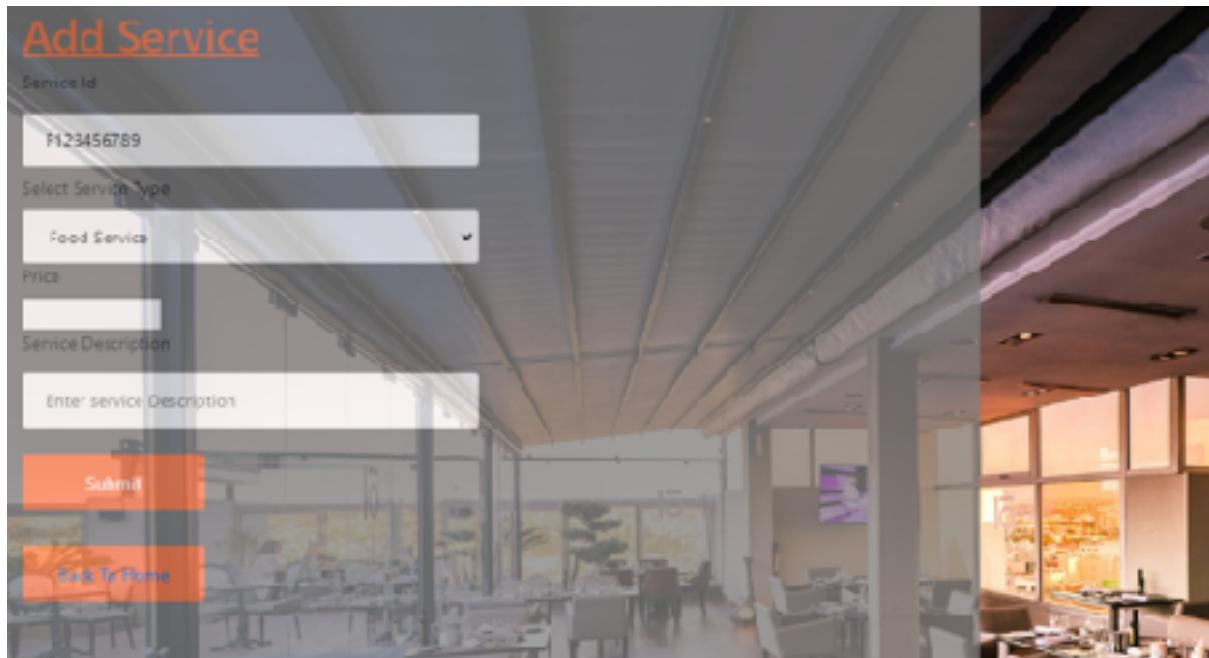
- a. It will not let the user type more than 10 values so Maximum test is not needed.

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
1	2	4	10	11

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed







price:

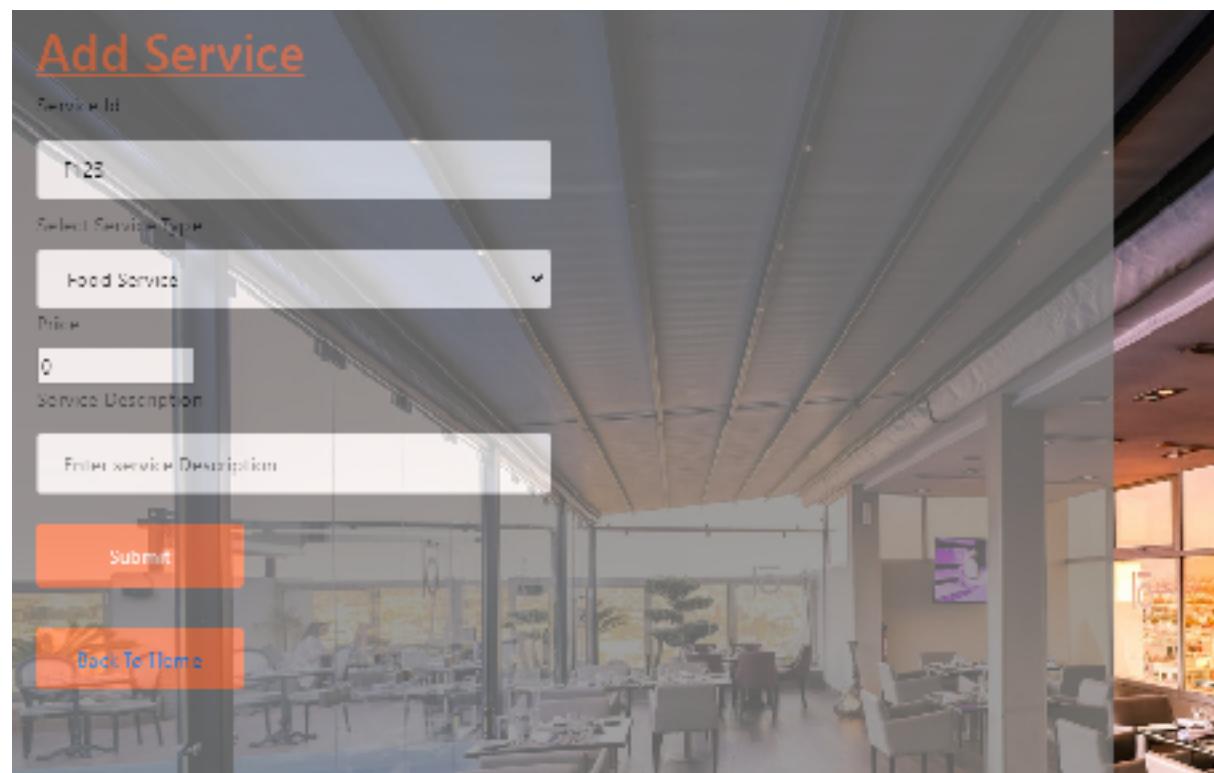
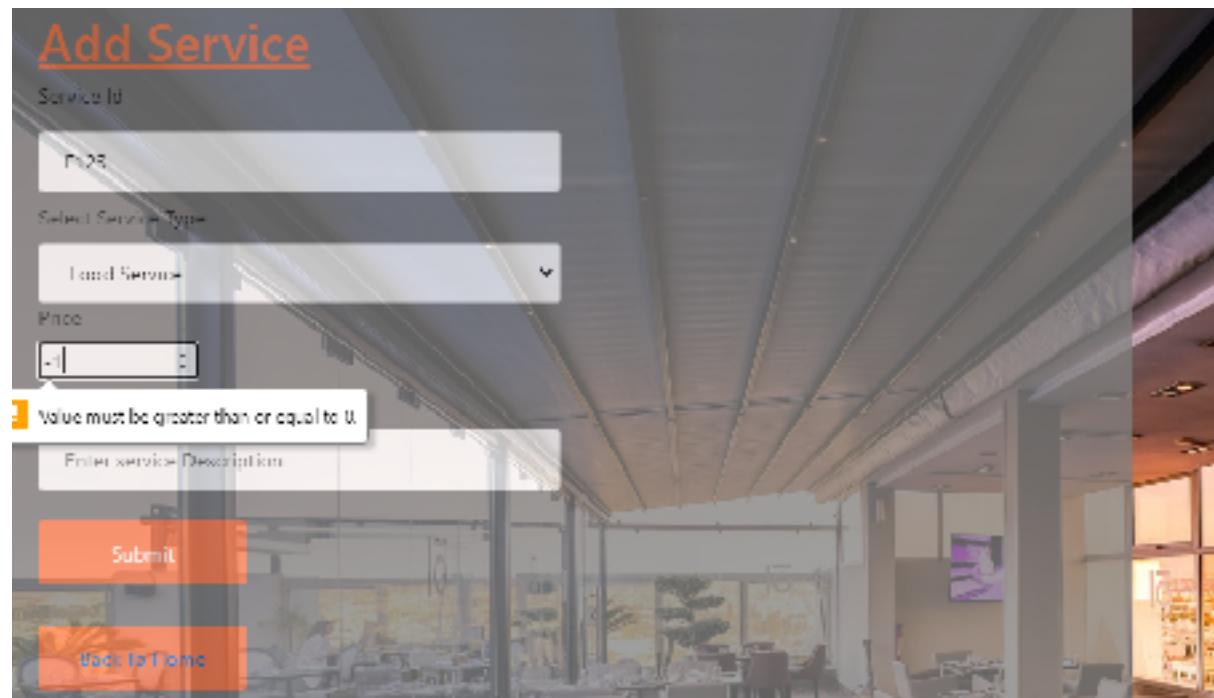
1) Equivalence Class Partitions:

Invalid EC	Valid EC	Invalid EC
Value<0	0<=Value<=100000	Value>100000

2) Boundary Value Test

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
-1	0	1000	100000	100001

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed **SS-5:** Not Passed



Add Service

Service Id

F123

Select Service Type

Food Service

Price

1000

Service Description

Enter service Description

Submit

Back To Home

Add Service

Service Id

F123

Select Service Type

Food Service

Price

100000

Service Description

Enter service Description

Submit

Back To Home

Add Service

Service Id
F123

Select Service Type
Food Service

Price
100001

Value must be less than or equal to 100000.

Enter service Description

Submit

Back To Home

Booking

checkin:

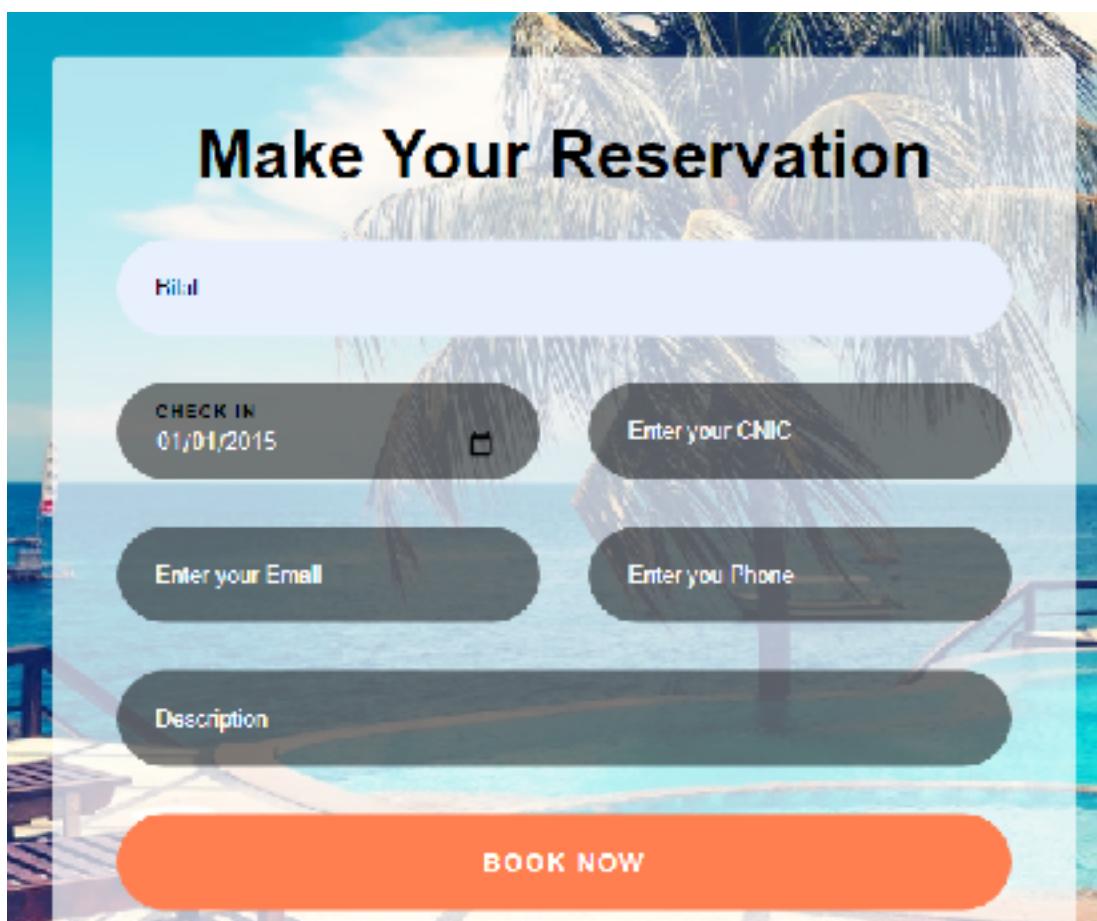
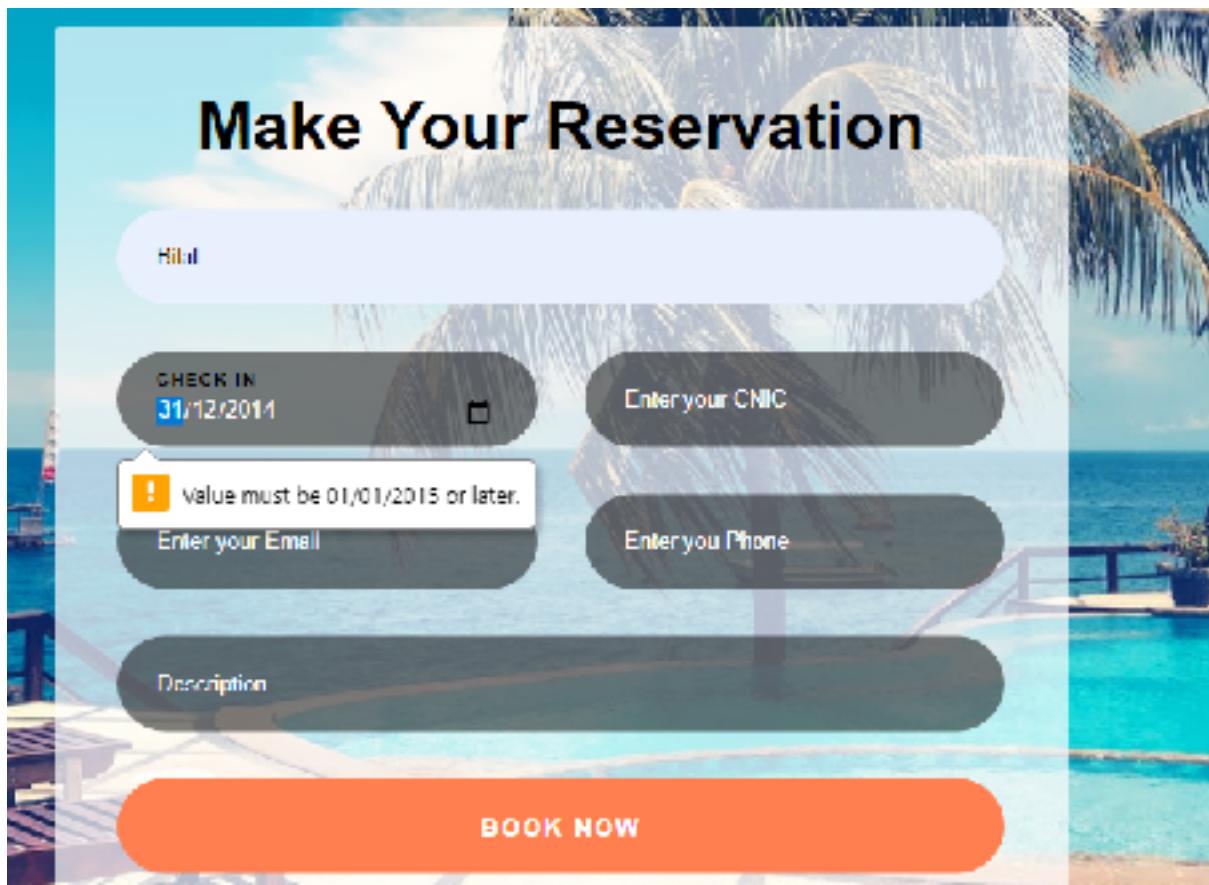
1) Equivalence Class Partitions:

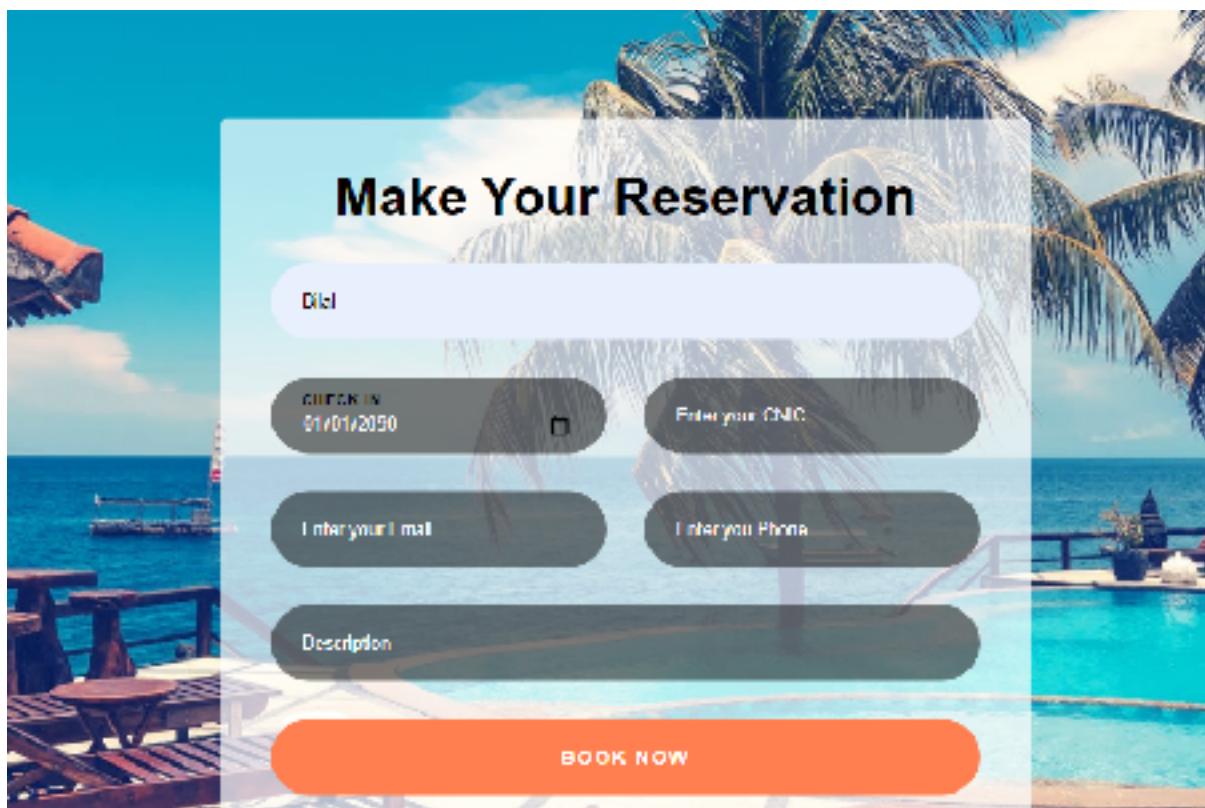
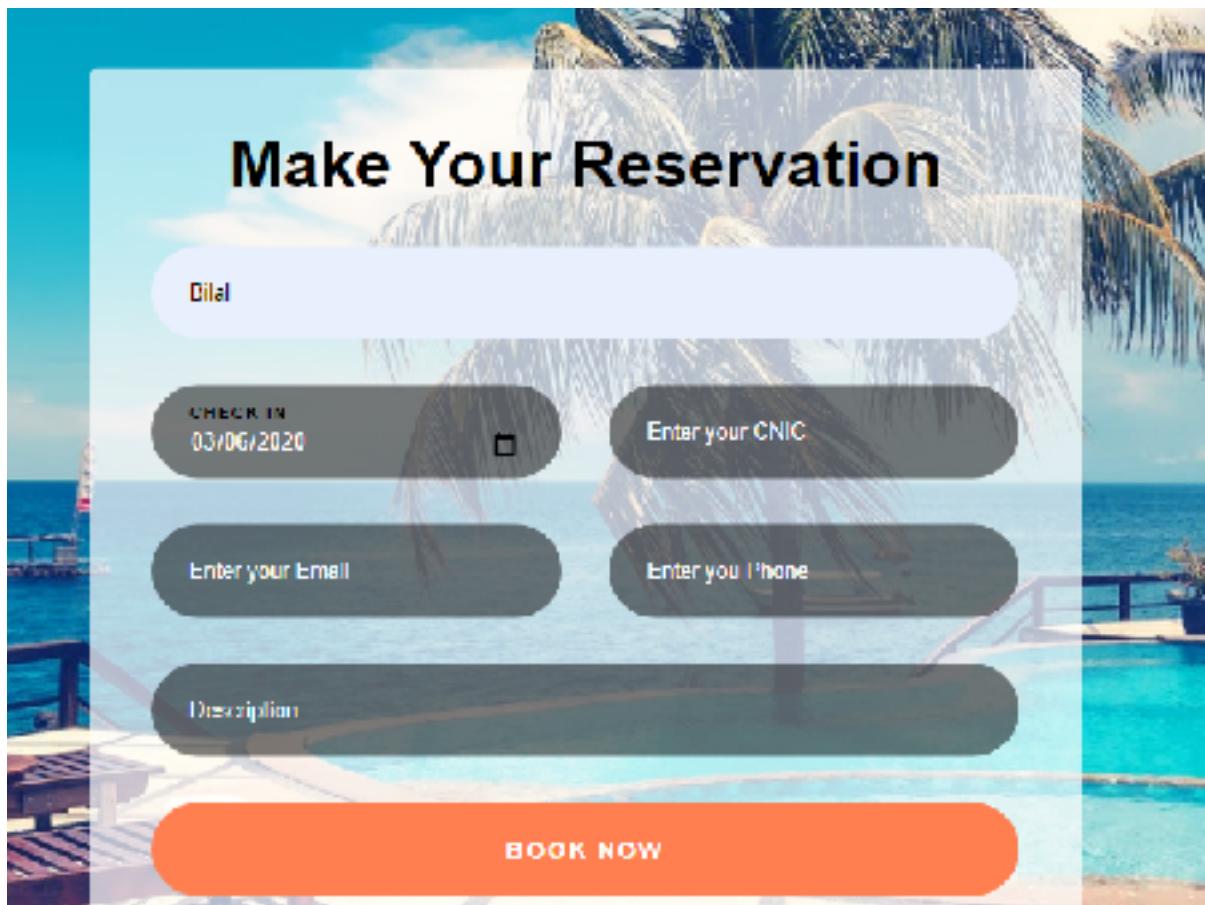
Invalid EC	Valid EC	Invalid EC
date<"2015-1-1"	"2015-1-1"≤Value≤"2090-1-1"	Value>"2090-01-02"

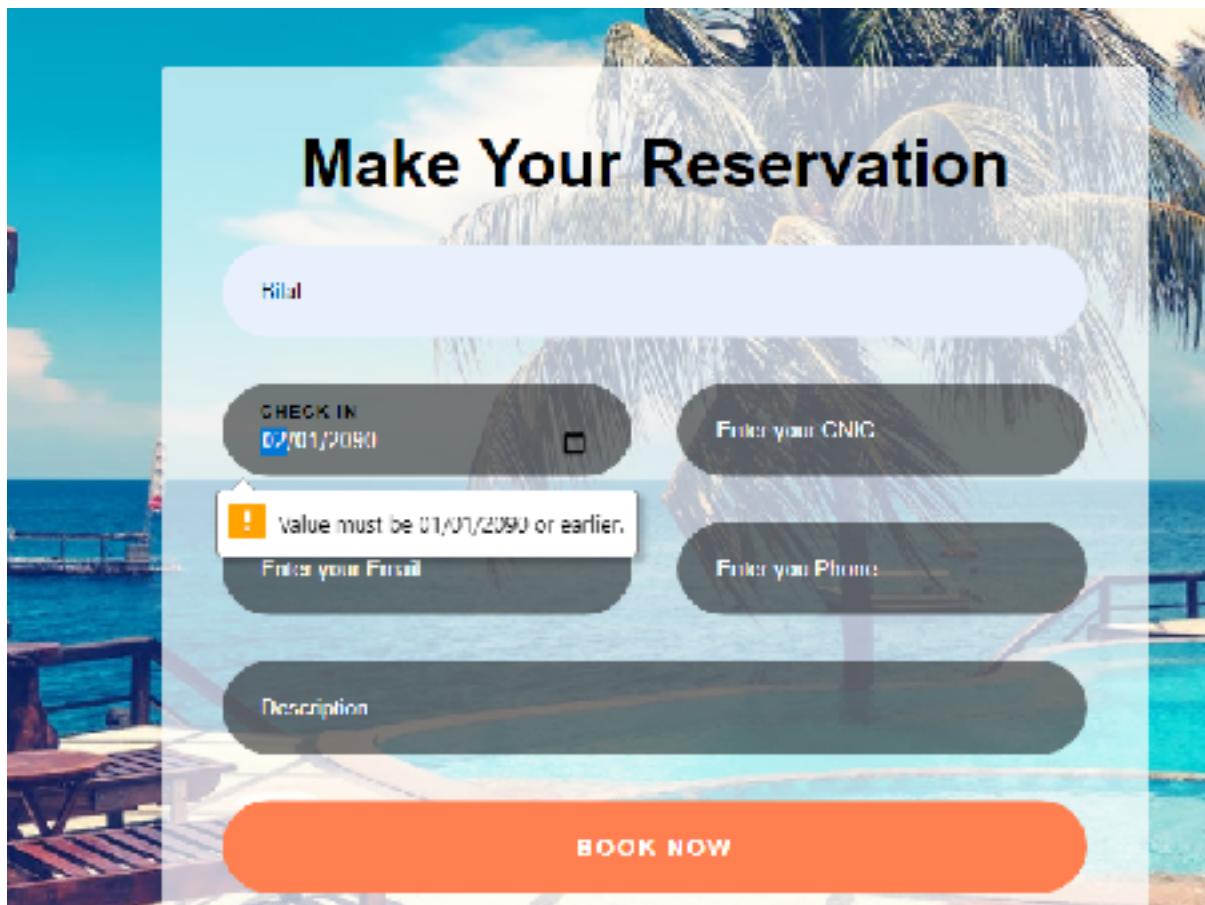
2) Boundary Value Test

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
"2014-12-31"	"2015-1-1"	"2020-6-3"	>"2090-1-1"	"2090-01-02"

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed **SS-5:** Not Passed







cnic:

1) Equivalence Class Partitions:

- It will not let the user type more than 15 values

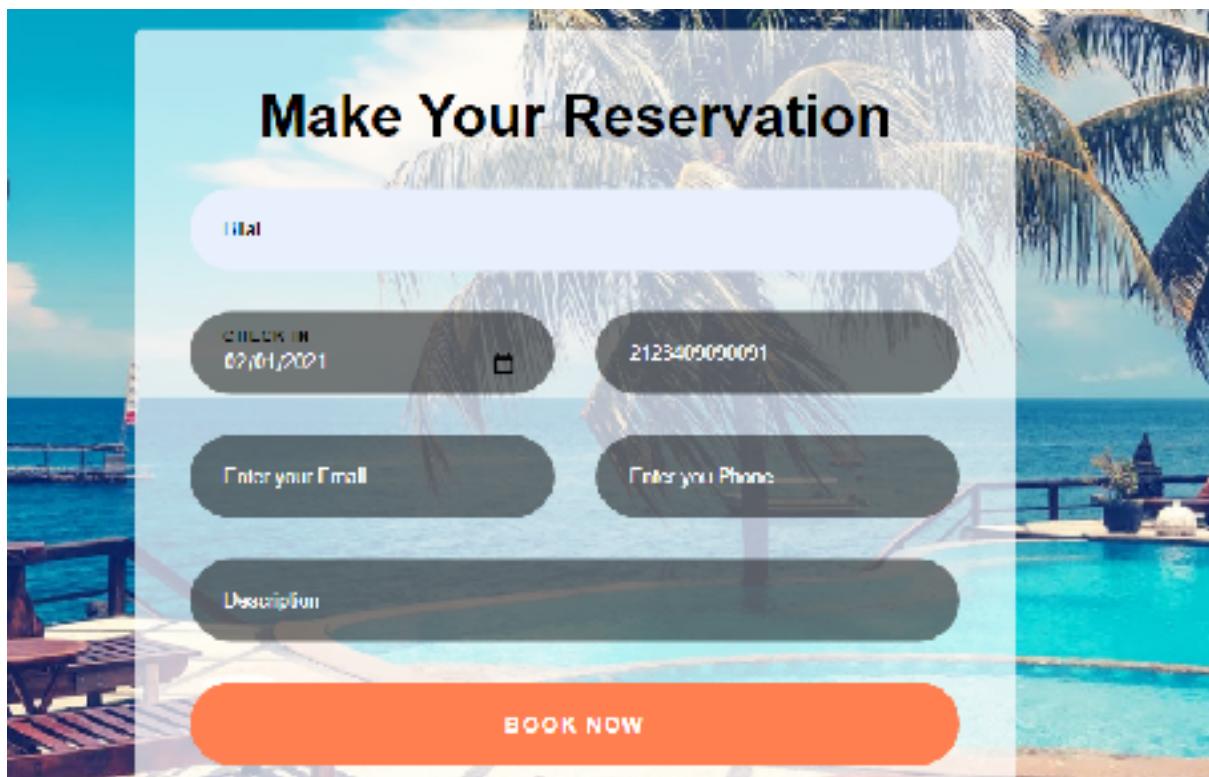
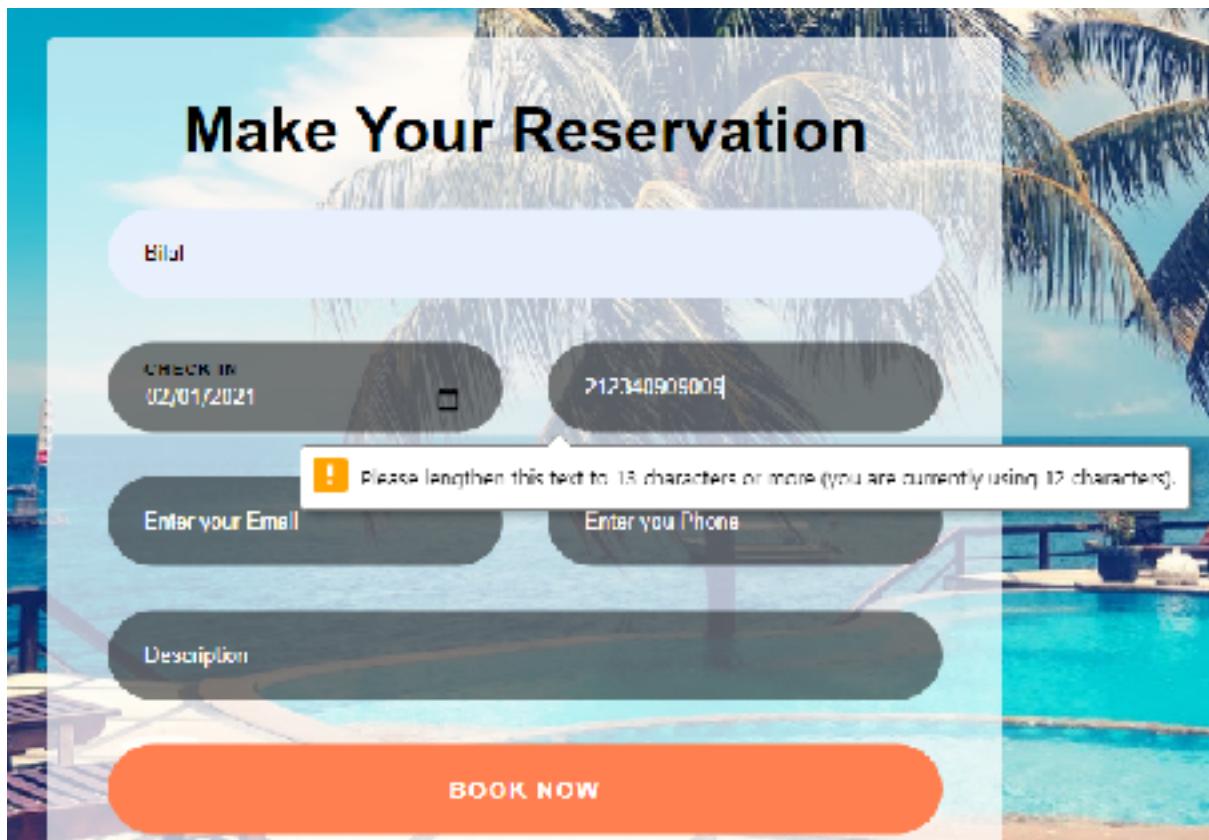
Invalid EC	Valid EC	Invalid EC
Length<13	13<=Length<=15	Length>15

2) Boundary Value Test

- It will not let the user type more than 15 values so Maximum test is not needed.

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
12	13	14	15	16

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed



Make Your Reservation

Billal

CHECK IN
02/01/2021

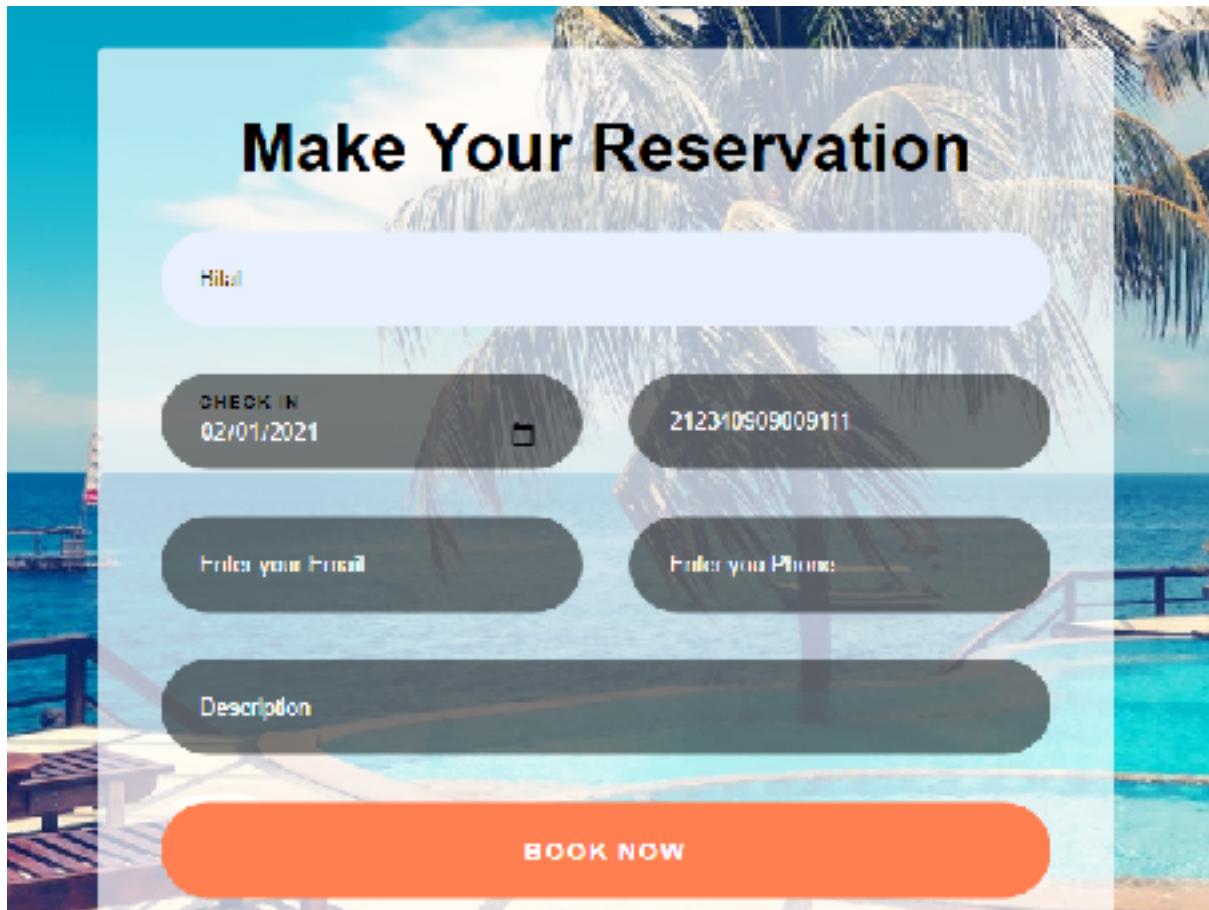
21231090900911

Enter your Email

Enter your Phone

Description

BOOK NOW



Payment

card-no:

1) Equivalence Class Partitions:

- a. It will not let the user type more than 19 values

Invalid EC	Valid EC	Invalid EC
Length<16	16<=Length<=19	Length>19

2) Boundary Value Test

- a. It will not let the user type more than 19 values so Maximum test is not needed.

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
15	16	18	19	20

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed

Make Payment For booking

Billing Address

Full Name

Mohammed Bilal Shahir

Email

bilalshahir@gmail.com

Address

House No. 10, Church Road, Alameen

City

Rahim Yar Khan

Country

Pakistan

Zip

64200

Payment

Accepted Cards



Name on Card

Bilal

Credit card number

1111222233334444

! Please lengthen this field to 15 characters or more (you are currently using 15 characters).

September

Exp Year

2018

[MAKE PAYMENT](#)

[BACK TO HOME](#)

Make Payment For booking

Billing Address

Full Name

Mohammed Bilal Shahir

Email

bilalshahir@gmail.com

Address

House No. 10, Church Road, Alameen

City

Rahim Yar Khan

Country

Pakistan

Zip

64200

Payment

Accepted Cards



Name on Card

Bilal

Credit card number

1111222233334444

Exp Month

September

Exp Year

2018

[MAKE PAYMENT](#)

[BACK TO HOME](#)

Make Payment For booking

Billing Address

Full Name

Mohammad Riaz Shehryar

Email

bbulbul99@gmail.com

Address

House No. 10, Church Road, Alama

City

Vidhan Sarakha

Country

Pakistan

Zip

64200

Payment

Accepted Cards



Name on Card

Riaz

Credit card number

1111-2222-3333-4444

Exp Month

September

Exp Year

2010

MAKE PAYMENT

[BACK TO HOME](#)

zipcode:

3) Equivalence Class Partitions:

- a. It will not let the user type more than 10 values

Invalid EC	Valid EC	Invalid EC
Length<4	4<=Length<=10	Length>10

4) Boundary Value Test

- a. It will not let the user type more than 10 values so Maximum test is not needed.

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
3	4	6	10	11

SS-1: Not Passed, **SS-2:** Passed, **SS-3:** Passed, **SS-4:** Passed

Make Payment For booking

Billing Address

Full Name

Mohammed Bilal Shabbir

Email

bilalshabbir8@gmail.com

Address

House No. 10, Church Road, Alamsa

City

Islamabad

Country

Pakistan

Zip

642

Payment

Accepted Cards



Name on Card

Bilal

Credit card number

1111 2222 3333 4444

Exp Month

September

Exp Year

Please lengthen this text to 4 characters or more (you are currently using 3 characters).

MAKE PAYMENT

BACK TO HOME

Make Payment For booking

Billing Address

Full Name
Muhammad Bilal Shabbir

Email
bilal98@gmail.com

Address
House No. 10, Church Road, Alomia

City
Islamabad

Country
Pakistan

Zip
84000

Payment

Accepted Cards

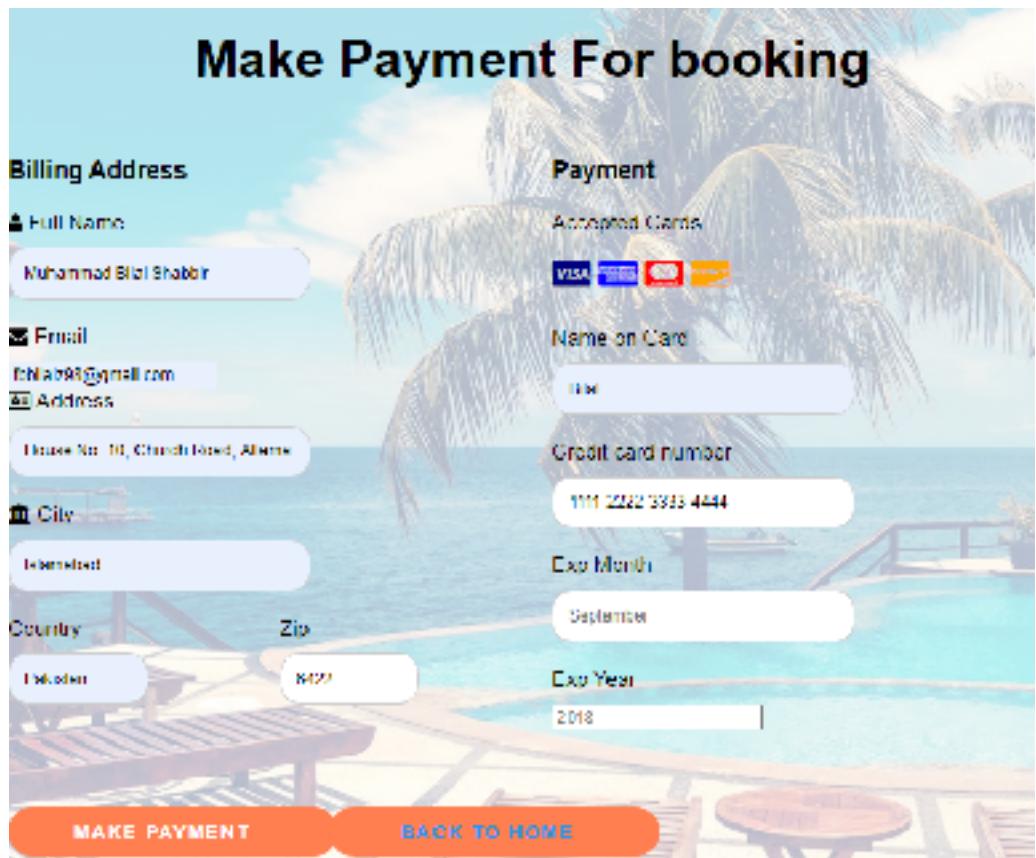
Name on Card
Ela

Credit card number
1111 2222 3333 4444

Exp Month
September

Exp Year
2018

[MAKE PAYMENT](#) [BACK TO HOME](#)



Make Payment For booking

Billing Address

Full Name
Muhammad Bilal Shabbir

Email
bilal98@gmail.com

Address
House No. 10, Church Road, Alomia

City
Islamabad

Country
Pakistan

Zip
84000

Payment

Accepted Cards

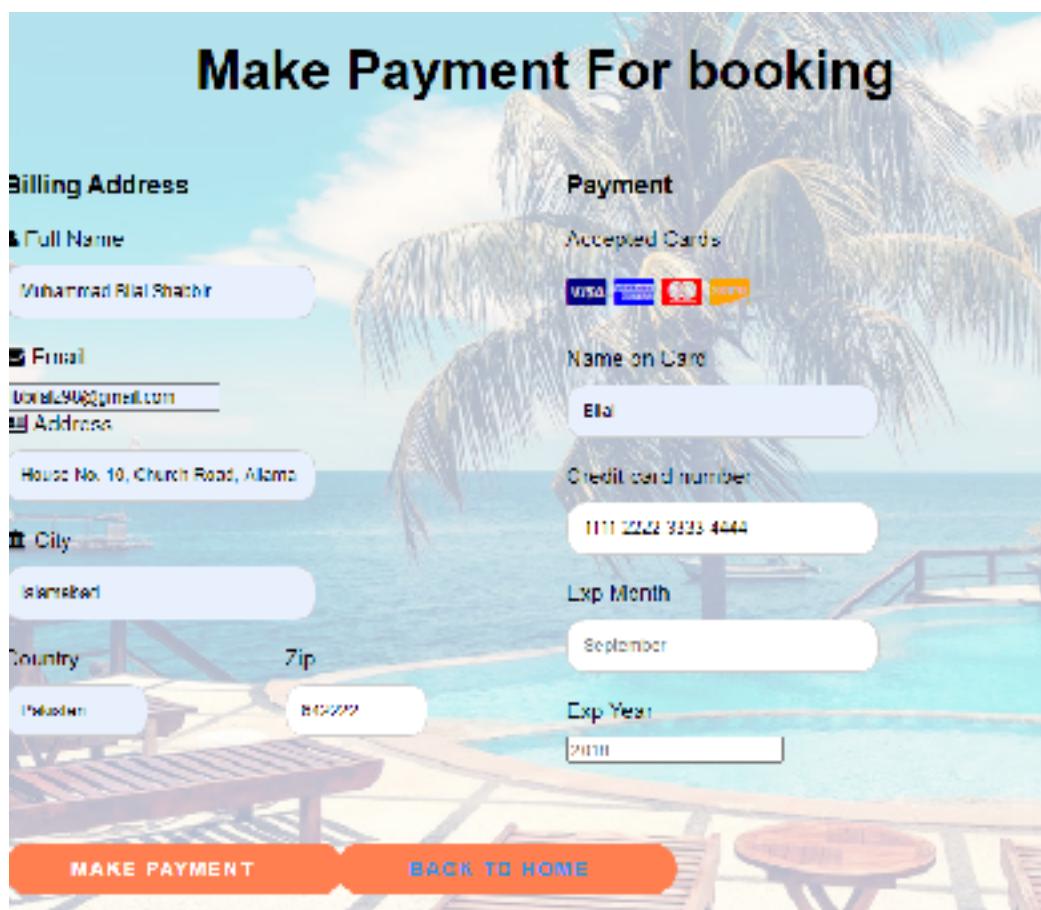
Name on Card
Ela

Credit card number
1111 2222 3333 4444

Exp Month
September

Exp Year
2018

[MAKE PAYMENT](#) [BACK TO HOME](#)



price:

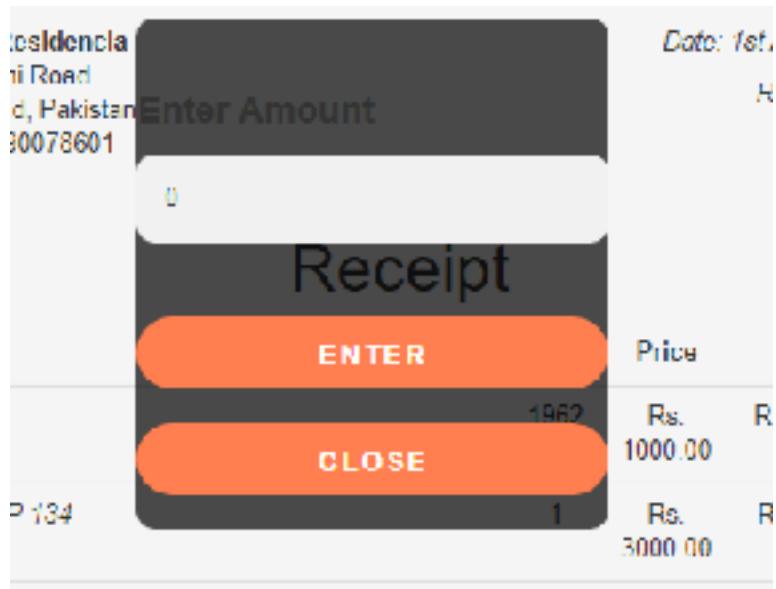
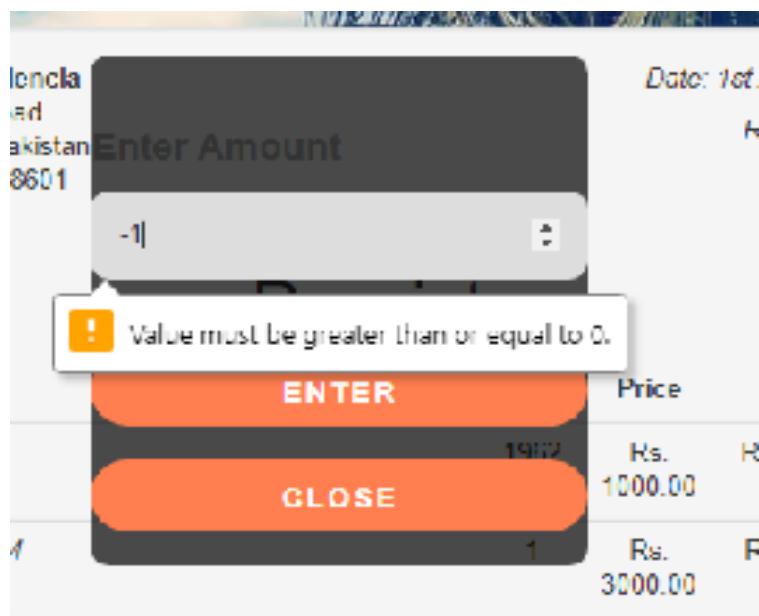
1) Equivalence Class Partitions:

Invalid EC	Valid EC	Invalid EC
Value<0	0<=Value<=9999999	Value>9999999

2) Boundary Value Test

Minimum (Should Not Accept)	Just above the Minimal	A nominal value	Just below the maximum	Maximum (Should Not Accept)
-1	0	1000	9999999	10000000

SS-1: Not Passed, SS-2: Passed, SS-3: Passed, SS-4: Passed SS-5: Not Passed



Residencia
A K Brhi Road
Islamabad, Pakistan
Phone 090078601

Date: 1st April,
Receipt No: 1

Enter Amount

1000

Receipt

Product	Price	Total
Room A0	Rs. 1962	Rs. 1962
Service SP 134	Rs. 3000.00	Rs. 3000.00
	Subtotal:	19650
	Tax:	2751

ENTER

CLOSE

Dream Residencia
A K Brhi Road
Islamabad, Pakistan
Phone 090078601

Date: 1st April, 2005
Receipt No: 1

Enter Amount

9999999

Receipt

Product	Price	Total
Room A0	Rs. 1962	Rs. 196200
Service SP 134	Rs. 3000.00	Rs. 3000.00
	Subtotal:	1965000.0
	Tax:	275100

ENTER

CLOSE

Mr Residencia
Prohi Road
Iabad, Pakistan
e.090078601

Date: 1st April, 20
Receipt #

Enter Amount

10000000

! Value must be less than or equal to 9999999.

Item	ENTER	Price	Total
A9		1962	Rs. 19620
c SP 134	CLOSE	1000.00	Rs. 3000.
		3000.00	Rs. 3000.
			Subtotal: 1965000
			Tax: 275100