

Hospitality Domain - BonStay Application

BonStay is a hospitality application that helps the user to get the details of the hotels in the city. The user can book a room, reschedule, or cancel a booking.

The user can mark their review comments about the hotel too.

List of software's required:

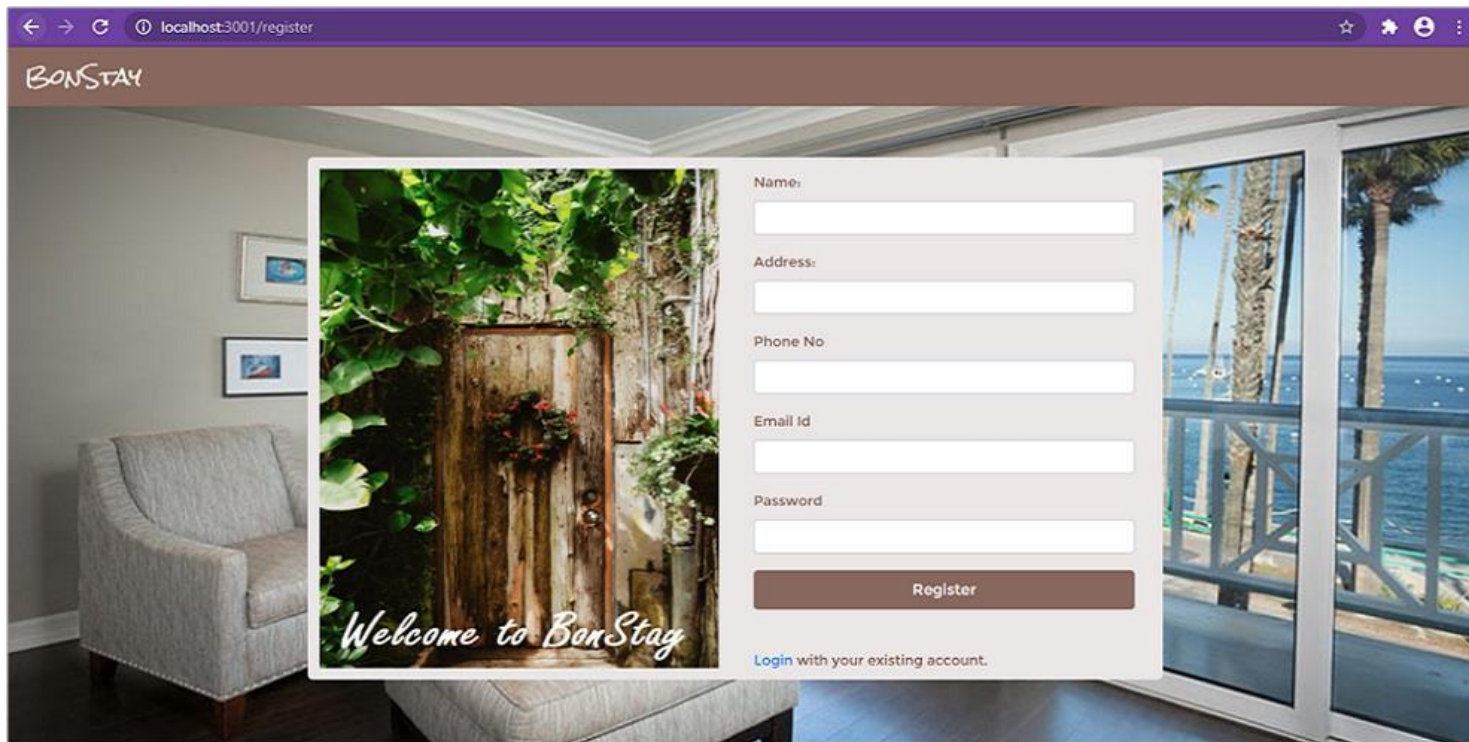
- Node JS
- React
- Visual Studio Code IDE

Note: Follow the steps mentioned at the beginning of the course to install the required software.

1.Registration Page:

This page should render the registration page for users to register to the application so that the user can use all the functionalities of the application.

Field	type	Validation
name	string	Required, Min 3 Characters
address	string	Required
phoneNo	number	Required, 10 digits
email	email	Required, Basic Email Format
password	string	Required, Length between 8 and 12 characters



Add appropriate error messages based on the validations specified in the table.

On click of the Register button, it should make a POST request to the JSON server (/users api) and add the user.

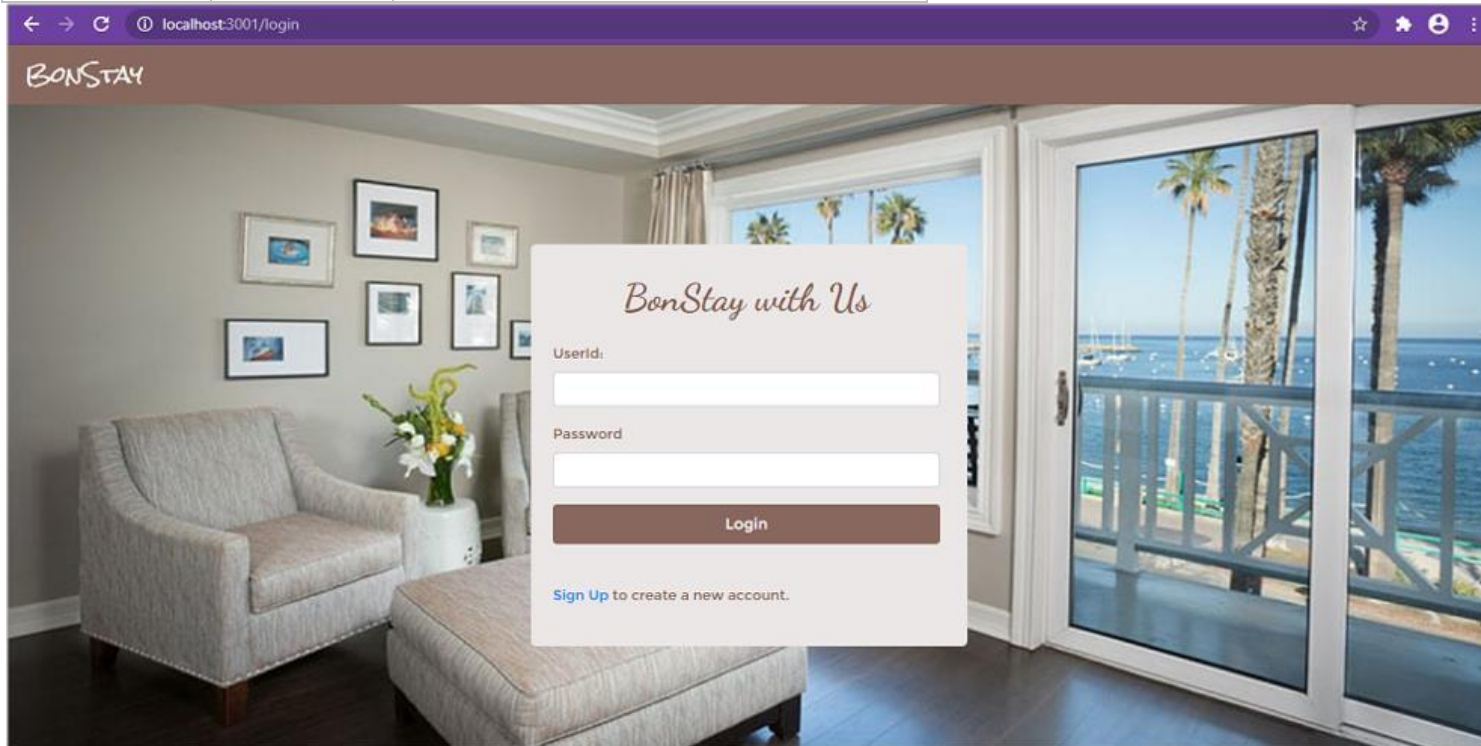
Based on the response, display a success message, or error message. On successful registration redirect to Login page.

On click of Login link, redirect to Login page.

2.Login Page:

This page should render the login page, for the users to log in to the application.

Field	type	Validation
userId	string	Required
password	string	Required, Length between 8 and 12 characters



On click of the Login button, it should make a request to JSON Server (/users api) ,allow the user to login if the user is already registered.

Based on the response, display a success message or error message. On successful login, redirect to the home page.

Until login happens the navbar will have no links. On click of Signup link, redirect to the Registration page.

3.Home Page:

This page has a small description of the application as shown below:

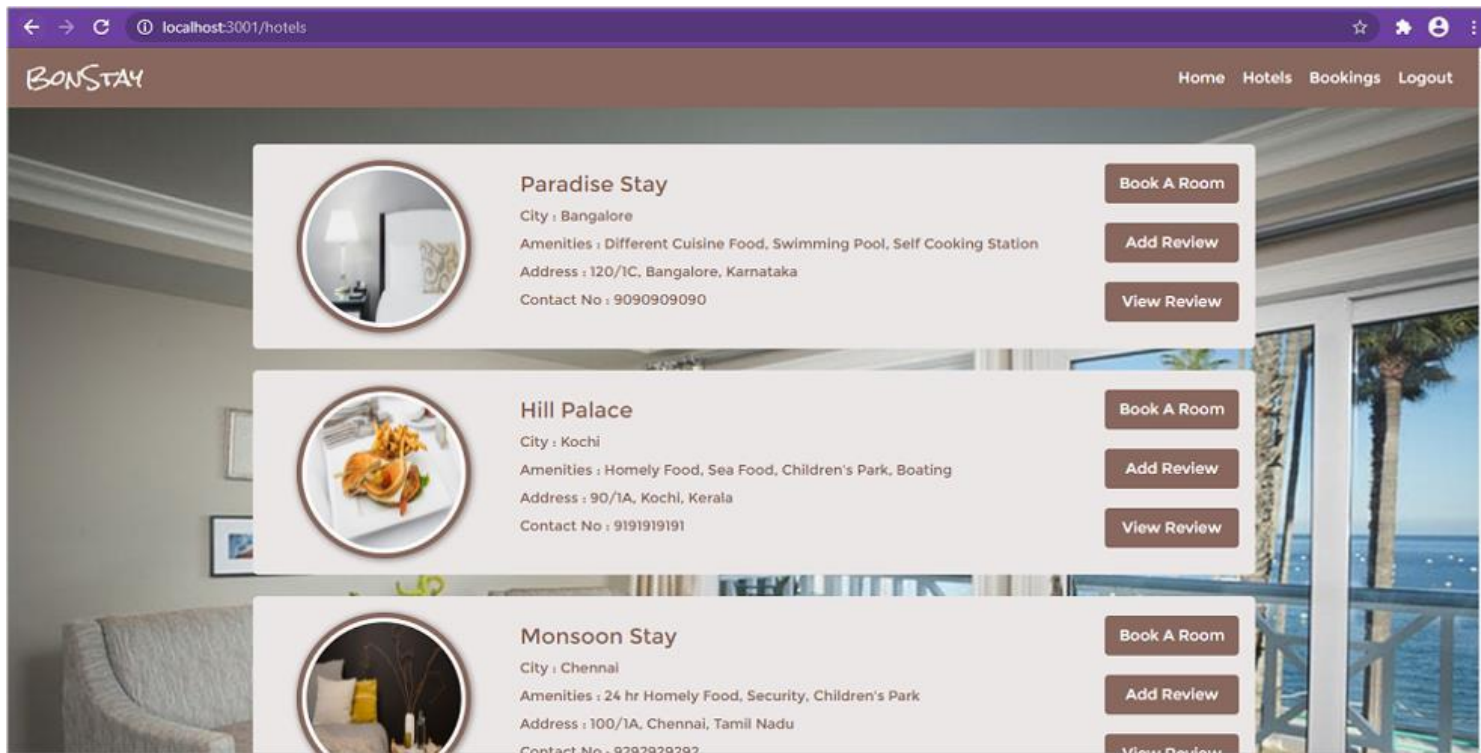


Navbar should have four links such as Home, Hotels, Bookings, and Logout.

4.Hotels Page:

This page should render the list of hotels available with each of its details in separate cards.

On load of this page, it should make a GET request to the server (/hotels api)



There should be three buttons like 'Book a Room', 'Add Review', and 'View Review' corresponding to each hotel.

On click of these buttons, it should be redirected to the respective pages.

Initial Data

```
{
  "users": [
    {
      "id": 1,
      "name": "Maria",
      "address": "Bangalore,Karnataka",
      "email": "maria@gmail.com",
    }
  ]
}
```

```
    "phoneNo": 1234567890,
    "password": "maria123456"
  },
  {
    "name": "Setna",
    "address": "Bangalore",
    "phoneNo": "1234567890",
    "email": "setna@gmail.com",
    "password": "Setna@123",
    "id": 2
  },
  {
    "name": "Sera",
    "address": "bangalore",
    "phoneNo": "1234567890",
    "email": "sera@gmail.com",
    "password": "Sera@1234",
    "id": 3
  },
  {
    "name": "Daisy",
    "address": "Bangalore",
    "phoneNo": "1234567890",
    "email": "daisy@gmail.com",
    "password": "Daisy@123",
    "id": 4
  }
],
"hotels": [
  {
    "id": 1,
    "hotelName": "Paradise Stay",
    "city": "Bangalore",
    "description": "A home to relax at the 'city' peek with all the facilities near you",
    "amenities": "Different Cuisine Food, Swimming Pool, Self Cooking Station",
    "phoneNo": 9090909090,
    "address": "120/1C, Bangalore, Karnataka",
    "imageUrl": "2.jpg",
    "reviews": [
      "Good Accomodation",
      "Best place to relax with friends and family",
      "The best place to chill with friends. ",
      "The best place I ever visited."
    ]
  }
],
```

```
{
  "id": 2,
  "hotelName": "Hill Palace",
  "city": "Kochi",
  "description": "A cool place to relax at Lake side",
  "amenities": "Homely Food, Sea Food, Children's Park, Boating",
  "phoneNo": 9191919191,
  "address": "90/1A, Kochi, Kerala",
  "imageUrl": "3.jpg",
  "reviews": [
    "Must visit place. The cuisine available here is so amazing.",
    "My favorite place to relax on my vacations"
  ]
},
{
  "id": 3,
  "hotelName": "Monsoon Stay",
  "city": "Chennai",
  "description": "A luxurious but affordable stay as in your home",
  "amenities": "24 hr Homely Food, Security, Children's Park",
  "phoneNo": 9292929292,
  "address": "100/1A, Chennai, Tamil Nadu",
  "imageUrl": "4.jpg",
  "reviews": []
},
{
  "id": 4,
  "hotelName": "Galaxy Paradise",
  "city": "Mumbai",
  "description": "An affordable family stay spot at the 'City' heart",
  "amenities": "24 hr Homely Food, Swimming Pool, Security",
  "phoneNo": 9393939393,
  "address": "190/1B, Mumbai, Maharastra",
  "imageUrl": "5.jpg",
  "reviews": []
}
],
"bookings": [
  {
    "id": 1,
    "startDate": "2020-09-22",
    "endDate": "2020-09-27",
    "noOfPersons": 1,
    "noOfRooms": 1,
    "typeOfRoom": "AC",
```

```
    "hotelName": "Paradise Stay",
    "hotelId": 1,
    "userId": 1
  },
  {
    "startDate": "2020-09-23",
    "endDate": "2020-09-24",
    "noOfPersons": 1,
    "noOfRooms": 1,
    "typeOfRoom": "AC",
    "hotelId": 1,
    "hotelName": "Paradise Stay",
    "userId": 1,
    "id": 2,
    "bookingId": "2"
  },
  {
    "startDate": "2020-09-30",
    "endDate": "2020-10-01",
    "noOfPersons": 1,
    "noOfRooms": 1,
    "typeOfRoom": "AC",
    "hotelId": 1,
    "hotelName": "Paradise Stay",
    "userId": 2,
    "id": 3
  },
  {
    "startDate": "2020-10-01",
    "endDate": "2020-10-02",
    "noOfPersons": 1,
    "noOfRooms": 1,
    "typeOfRoom": "AC",
    "hotelId": 1,
    "hotelName": "Paradise Stay",
    "userId": 2,
    "id": 4,
    "bookingId": "4"
  },
  {
    "startDate": "2020-09-25", "endDate": "2020-09-26",
    "noOfPersons": 1,
    "noOfRooms": 1,
    "typeOfRoom": "AC",
    "hotelId": 2,
```

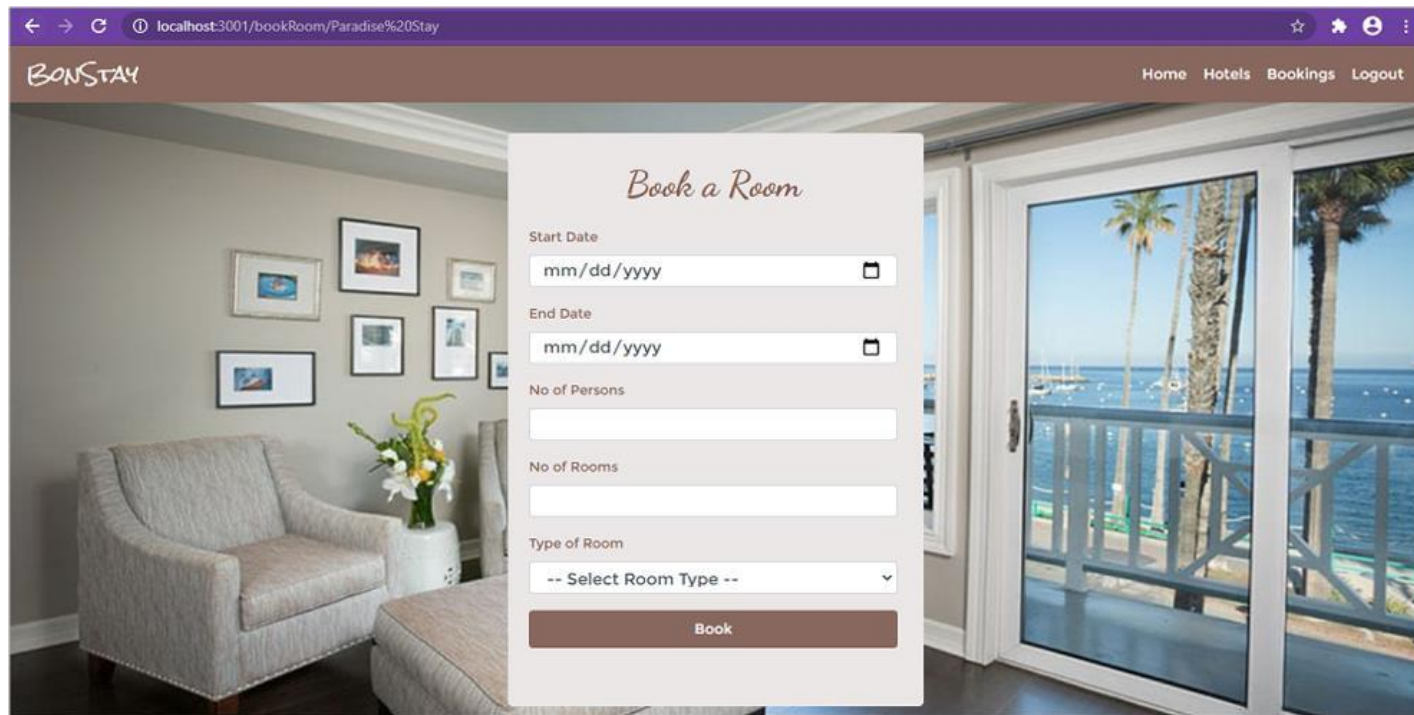


```
    "hotelName": "Hill Palace",
    "userId": 2,
    "id": 5
  }
]
```

5.Book A Room:

This page should render a booking form, for the user to book a room.

Field	type	Validation
startDate	date	Required, should be greater than today
endDate	date	Required, should be greater than or equal to startDate
noOfPersons	number	Required, should be greater than 0 and less than or equal to 5
noOfRooms	number	Required, should be greater than 0 and less than or equal to 3
TypeOfRoom	string	



Show appropriate error messages based on the validations mentioned above.

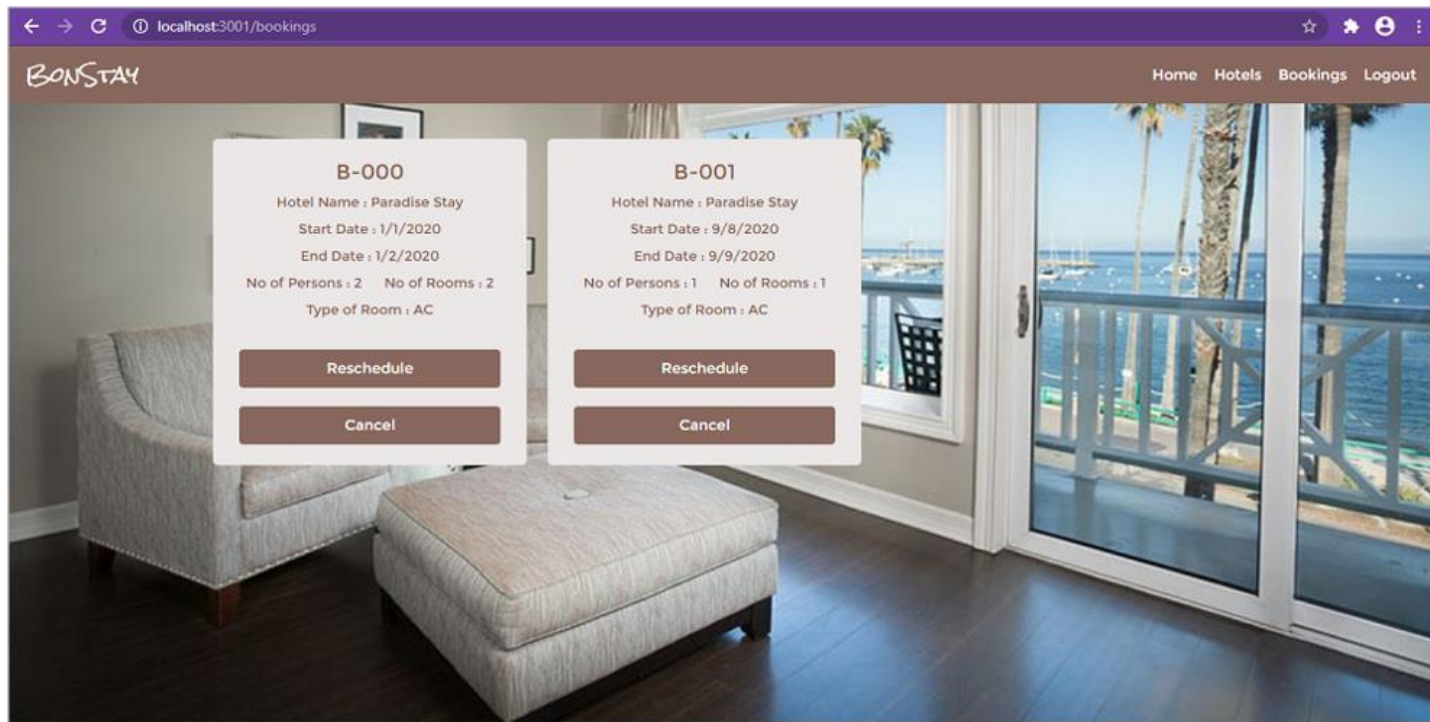
On click of the Book button, it should make a POST request to the server (/bookings api) with all the collected details.

Based on the response show the appropriate message.

6. Get Bookings Page:

This page should render all the bookings made by the user.

On load of this page, it should make a GET request to the server (/bookings api) to get all the bookings made.



There should be two buttons corresponding to each booking like 'Reschedule' and 'Cancel'.

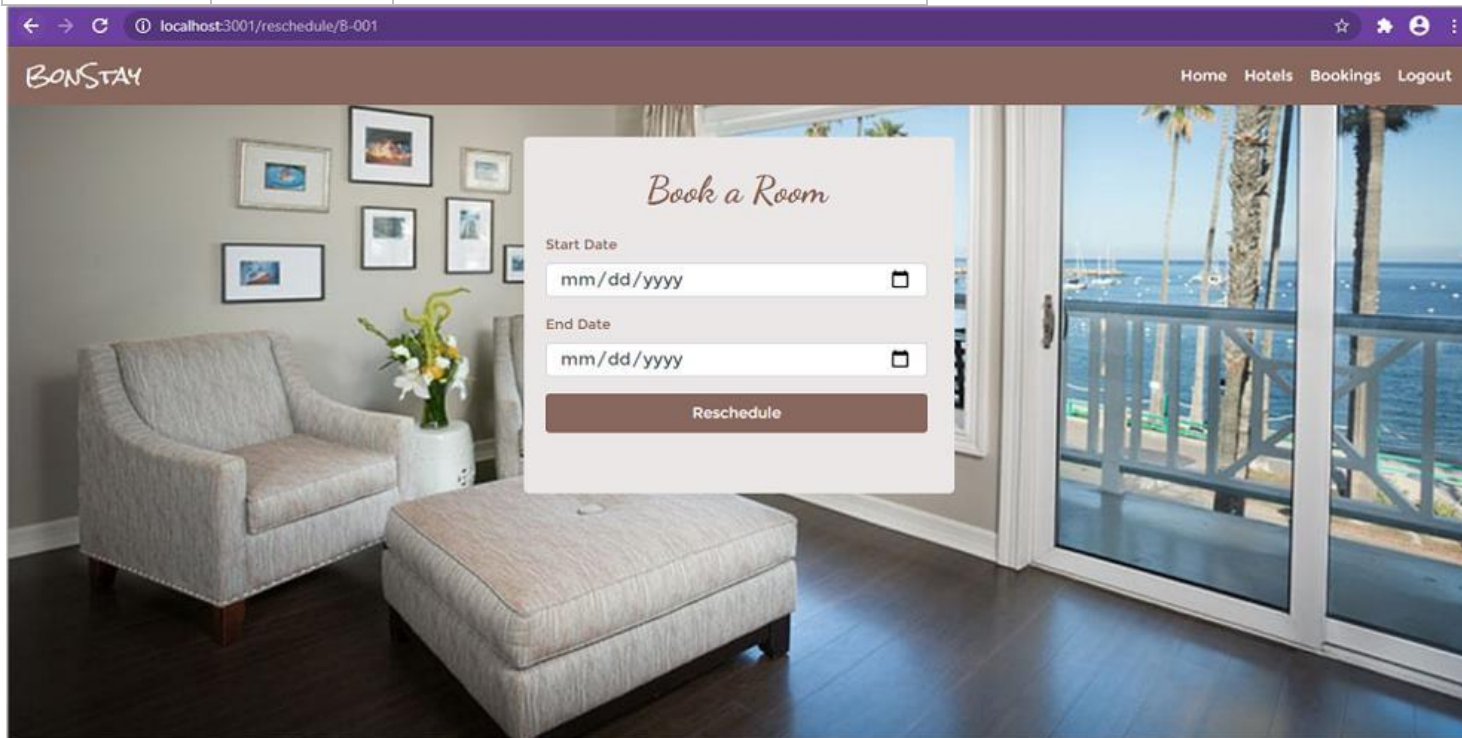
On click of the first button, it should load the Reschedule Booking page and on click of the second button, it should make a DELETE request to the server (/bookings/:bookingId api).

7.Reschedule Booking Page:

This page should render a reschedule form, for the user to reschedule a booking.

Field	type	Validation
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startDate	date	Required, Start Date should be greater than today
endDate	date	Required, End date can be greater than or equal to start Date



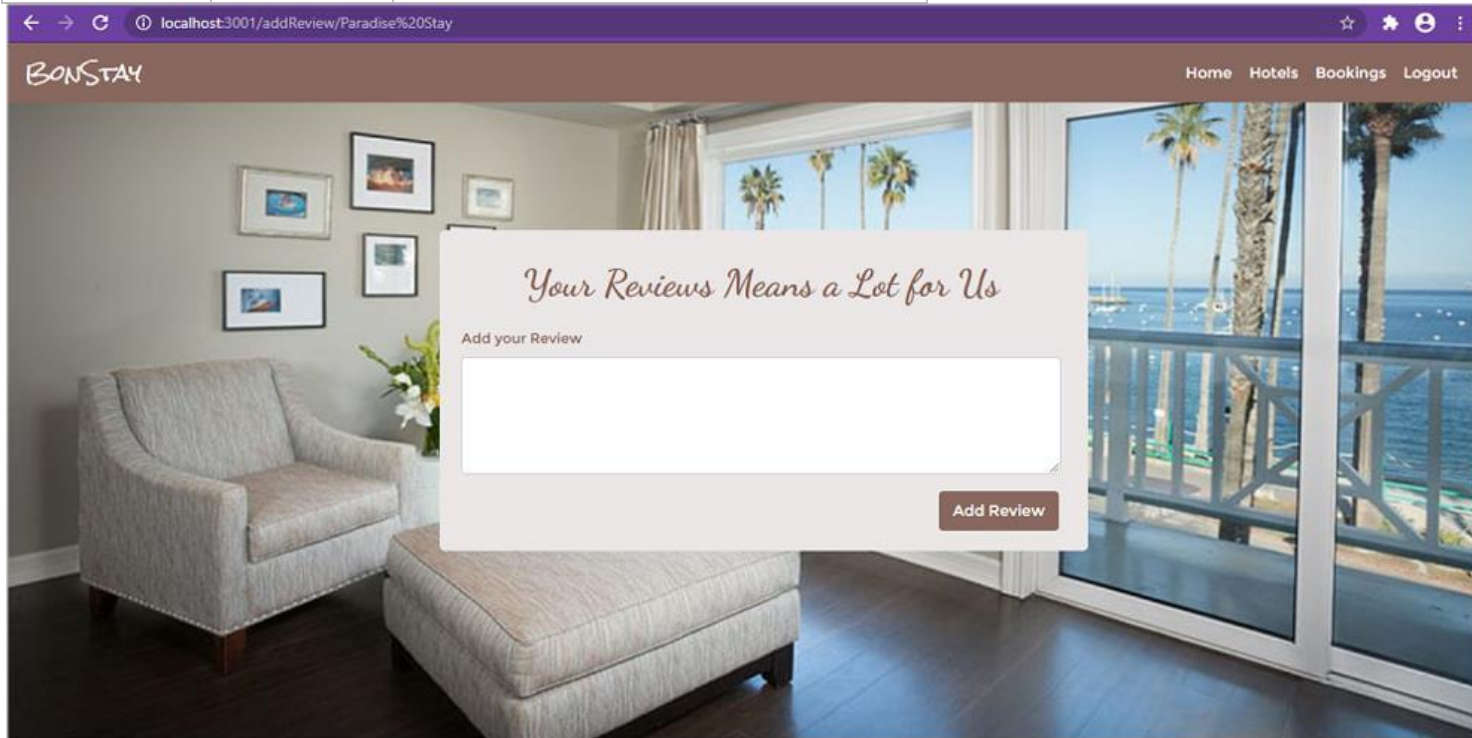
On click of the Reschedule button, it should make a PUT request to the server

(/bookings/:[bookingId](#) api) with all collected details. Based on the response show the appropriate message.

8.Add a Review Page:

This page should render a review form, for the user to mark their review.

Field	type	Validation
reviews	string	Required

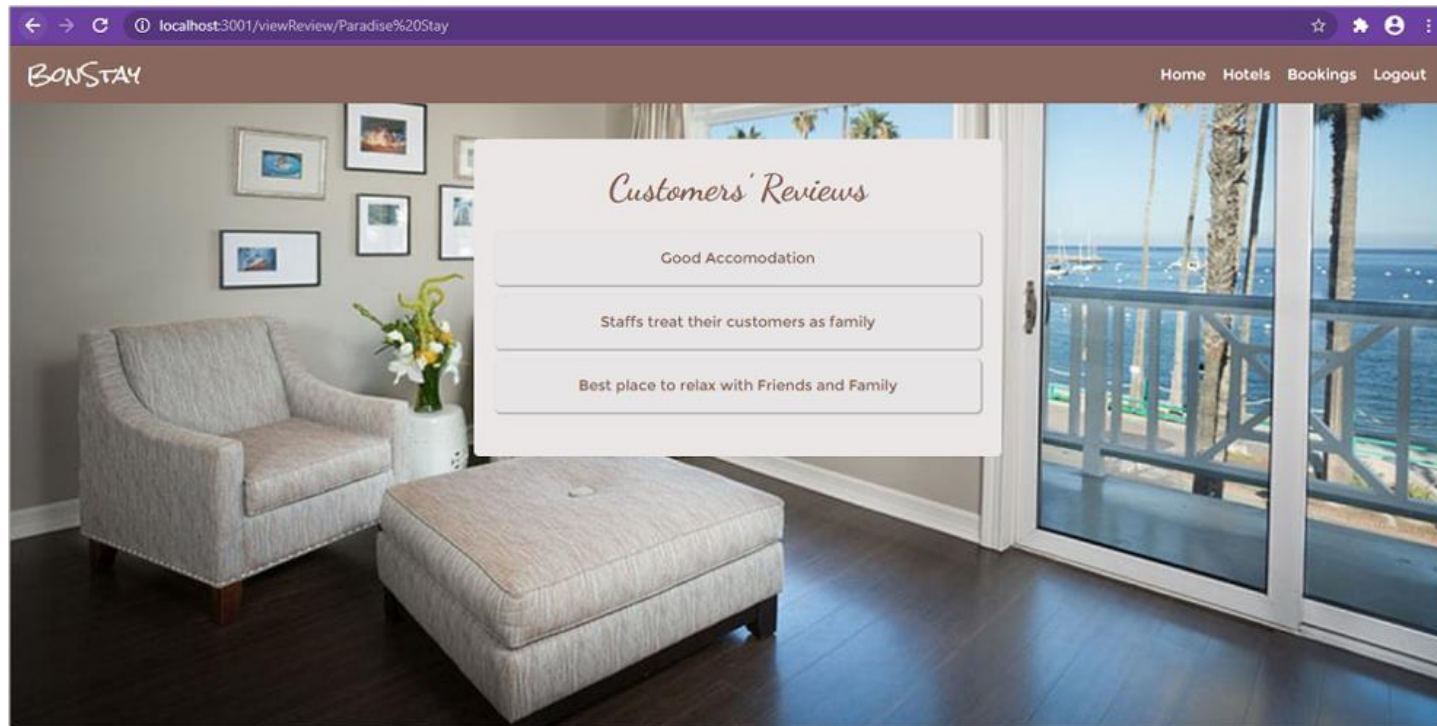


On click of the Add button, it should make a PATCH request to the server (/hotels/:hotelId api) with reviews.

Based on the response display appropriate messages.

9.Show Reviews Page:

This page should render all the reviews marked for a selected hotelName.



On load of this page, it should make a GET request to the server(/hotels/:hotelId api) to get all the reviews marked for that hotel.

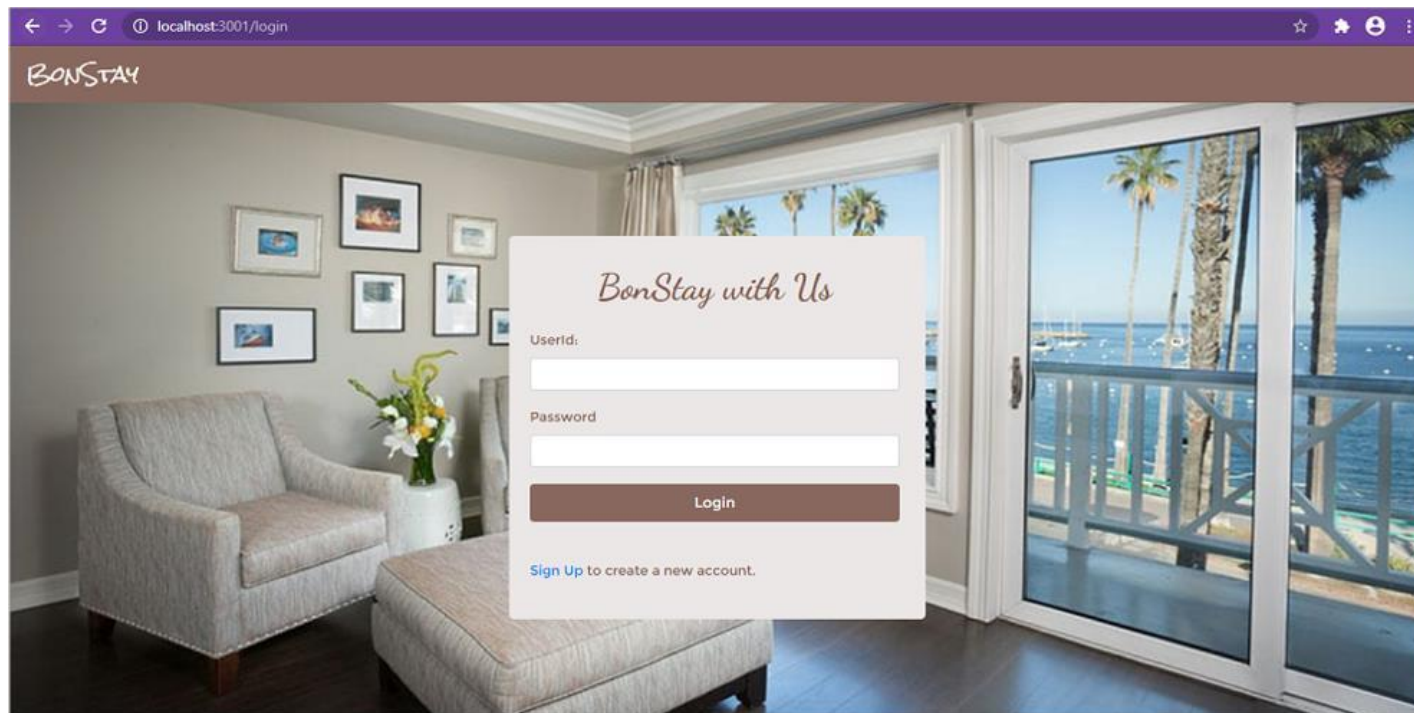
10.Navbar:

The navbar should have the below links to load corresponding pages.

Navbar Link	Page to be Loaded
Hotels	Hotels page

Bookings	Get Bookings Page
Home	Home Page

Logged Out:



Logged In:

