

# **Bus Ticket Booking Application- “BusWala”**

## **Overview:**

BusWala is a full-stack Bus Ticket Booking Application developed using React in the Frontend and Spring Boot Framework in the Backend with MySQL as the database. It enables the user to create his/her own profile and book multiple bus tickets corresponding to his/her profile only. It also has the feature to cancel tickets once booked if the user chooses to do so.

## **Modules:**

- Homepage
- SignUp
- Login
- BookTickets
- BusDetails
- AddPassengerDetails
- MakePayment
- MyBookings
- MyProfile
- CancelTickets
- Logout

## **Homepage**

The Homepage module is the first page of the website wherein a user can SignUp if he/she is a new user or can directly Login if he/she has already registered.

## **SignUp**

The SignUp module asks the user for the basic details like name, username, email and password to register himself/herself on the website.

## **Login**

The Login module asks the user to enter the username and password registered by him/her on the signup page in order to login to the website with correct credentials. If the username and password do not match to the one registered by the user, the user is not allowed to login to the website.

## **BookTickets**

The BookTickets module asks the user to enter the departure location and destination of his travel and search buses for the same. The buses are fetched from the backend on the basis of the from and to locations entered by the user.

## **BusDetails**

The BusDetails module shows a table of buses fetched from the backend with the same from and to locations entered by the user. The table shows the basic details of the buses like the departure time and date, arrival time and date, bus type, total seats and available seats along with the price of the individual bus ticket.

## **AddPassengerDetails**

The AddPassengerDetails module allows the user to book multiple tickets for his journey. It asks the user to enter details like Aadhar number, DOB, Name and his/her contact number. The user can add as many passengers as he wants.

## **MakePayment**

The MakePayment module displays the total amount calculated for the number of passengers added by the user and asks him/her to pay for the same.

## **MyBookings**

After successful payment of the tickets, the user is redirected to the MyBookings module which displays the status of the booking along with the details of all the passengers.

## **MyProfile**

The MyProfile dropdown module contains the 3 modules: Profile, MyBookings and Login/Logout. The Profile module displays the user's registered details entered at the time of signup.

## **CancelTickets**

The CancelTickets module was designed in order to provide the flexibility to the user to delete his/her booked tickets. It asks the user to enter the PNR, then fetches the booking details from the MyBookings module and allows him to cancel the ticket.

## **Logout**

The Logout module is the final page of the website wherein the user gets logged out the website after his/her successful booking.

**Project Repository Link:-**

**<https://github.com/Animeshhh27/BusTicketBookingAppBusWala.git>**