**Functional Requirement Document**

**Project Name: BUSNAMA**

**Team Name: SAMARPAN**

**Team Members:**

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**BusNama** is created to meet the needs of online bus reservation system. The different functional requirements in the project are as follows:

**For the Admin:**

**Add a Bus:**

The admin will be able to add a new bus into the database which will contain Bus Number, bus status, boarding and drop locations, number of seats available, price for each seat, departure and arrival dates and times, and amenities (WiFi, Blankets, Charging Point, Water Bottle).

**Delete/Cancel a Bus:**

The admin will be able to delete or cancel a bus by providing the bus number.

**View Buses:**

The admin will be able to view all the existing buses in the database with filters for departure and arrival stations, timings, and prices.

**View Users:**

The admin will be able to view existing users and their booking details with filters for boarding and drop locations.

**For the User:**

**Login/Register:**

A user will be required to log in into the application in order to book tickets. If he/she has no account, they have to register by providing their first and last names, their contact number and email ID.

**Search Buses:**

On providing the departure and arrival locations and journey date, a user will be able to view all the relevant buses. Bus details will consist of bus number, bust type, departure and arrival location and timings, trip duration, rating, number of seats available and price for each seat. There will be filters for bus timing, bus rating, bus type (AC, non AC, Sleeper, non-sleeper), and amenities. The list can also be sorted on the basis of price and ratings.

**Create Booking:**

A user will be able to create a new booking by choosing a bus and providing the number of passengers, their names and the number of seats required. A confirmation will be asked and if the user clicks “Yes”, booking will be confirmed and booking ID and total price of the booking will be displayed.

**Make Payment:**

After giving the details of the passengers and the journey date, the user will be redirected to a payment page where the total price will be displayed and he has to enter his card details.

**View Bookings:**

After logging into the application, a user will be able to view a list of all past and upcoming bookings with just the booking ID, bus number and departure date. Next to the booking there will be 2 buttons: “View Details” and “Cancel Booking”.

**View Booking Details:**

After clicking on “View Details” button, the user will be shown the details corresponding to that specific booking ID with departure and arrival locations and timings, final price of the booking and trip duration.

**Cancel Booking:**

After clicking on “Cancel Booking” button, a user will receive a confirmation message and if he/she selects “Yes”, the booking will be cancelled.

**Give Feedback:**

After completing a journey, the user will be able to give a rating out of 5 to the experience and that rating will be used to calculate the new rating.