SYSTEM REQUIREMENT SPECIFICATION FOR BUS RESERVATION SYSTEM

**PURPOSE:**

The purpose of the software requirement specification is to maintain all functions and the specifications of the Bus Ticket Resrvation System.

**TYPES OF USERS:**

1. ADMINISTRATOR:

He is the person responsible for updating and maintaining the system.

1. CUSTOMER:

The customer is the person who will use the system information to make the reservations as required. He will also be able to obtain general information about buses available.

**FUNCTIONAL REQUIREMENTS:**

1. Login to the system
2. Query the buses for 2 weeks only.
3. See current reservations on different buses along with details.
4. Able to choose Seats Available.
5. Logout from the system

**R1: LOGIN**

INPUT: The user logs into the system by entering the username and password. He clicks login button.

OUTPUT: Homepage is displayed.

**R2: QUERY BUSES**

INPUT: The user enters the source and destination and date for which he wants to make reservations.

OUTPUT: The details of available buses are shown to the user.

**R3: SEE CURRENT RESERVATIONS**:

INPUT: Click current reservations for a given bus.

OUTPUT: The no of seats reserved is displayed.

**R4: CHOOSE SEATS AVAILABLE:**

INPUT: Enter the no of seats required. Click on the make payment button.

OUTPUT: The transaction is completed successfully and the e-ticket is shown.

**R5: LOGOUT:**

INPUT: Click on LOGOUT button.

OUTPUT: The user logs out from the system.

**NON FUNCTIONAL REQUIREMENTS:**

**PERFORMANCE REQUIREMENTS:**

The performance of the system is adequate. However 60% of the performance depends on the client side.

**SECURITY:**

The system is secured as only people holding a valid account are authorized to enter the system.