

# **RAILWAY RESERVATION SYSTEM**

## **Name of the Project:**

RAILWAY RESERVATION SYSTEM

## **Objective of the Proposed System:**

Printing a compiled railway ticket for the viewers.

## **Input and Output of the Proposed System:**

### **INPUTS:**

- **Name of the Passenger:** The identification name for the passengers.
- **Date:** The date of reservation when the journey has to be made.
- **Destination Name:** Selection of the destination for the chosen date.
- **No. of Seats:** The number of the seats required.
- **Seat Selection:** The passenger gets to select the number of the seats they want from a model depiction of the train they would be travelling, that they chose on the required date.
- **Add-ons:** There would be TRUE/FALSE option for the passengers to choose if they want some add-on benefits. The passenger is asked to choose from a list of meals during the journey duration or additional benefits to make their travel experience better.
- **Payment:** The passenger is asked to input their payment method.

## **OUTPUTS:**

- Compiled Ticket for the passenger
- Bill Receipt confirming about the reservation

## **Features of the Proposed System:**

- The user gets to an interactive, descriptive page to choose the destination that they want to visit for tourism or for a specific purpose.
- A database will store created by the software MySQL will store the information stored for the project.
- A table will store the names of the destination, the duration of the journey, the reservation dates, and the seats available for the specific journey selected by the passenger.
- Another table will store the price of the respective seats and charges for reservation. In addition, the add-ons that a passenger would get for their specific seat.
- A table will store the dates on which the reservation has been made.
- The program will be written in Python and it would be connected to the MySQL database stated above. The program would take the input from the user and work along with the database. It would be showing a depiction of the system through which the user would be asked to select the number of seats they previously stated in the form itself.
- The program will also allow the user to choose from a list of add-ons for upgrading their seating experience. The amount will be added to the bill.
- The program will contain 3 payment methods:
  1. Credit/Debit Card
  2. E-Wallets: PayPal/PayTM/GPay/PhonePe
  3. UPI
- In the end of the program, the output will be printed in the form of a ticket and the purchase receipt.

- In the bill receipt, the fields printed would be as follows:
  - The Name of the Passenger
  - The Date of the Journey
  - Name of the Destination
  - Seat Number
  - Add-Ons Selected
  - Confirmation of Reservation
  - Payment Method

## **Front-End and Back-End of the Project:**

- Front-End: Python
- Back-End: My SQL

## **Scope and Limitation of the Project:**

The Database needs to be changed every week as the project is based on real-time inputs. The experience for the user can be more interactive.

**Done By-**

**Vinit Dey**

**12-J**

**Roll No. 44**

