

**Project Title:**  
**Railway Reservation System**

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## 1. Scope

Railway Ticket Reservation System is a ticketing system which provides facility to the railway administration of booking the tickets for passengers digitally. the booking process has become easier, and within the reach of travelers, the user can select the governorate from which he wants to travel and to which he wants to go , and the available trains will appear to him, where they can inquire about vacant seats on air-conditioned trains, and determine the number of tickets To be booked, the travel date and train time will be specified, the number of seats available on each train will be shown, and users will need to enter their visa card. The number at which they will buy tickets will appear automatically, specifying dates and seats.

## 2. Functional Requirements

- The *user* shall **register** to the system by entering his information (Username, E-mail, Telephone).
- The *user* shall **login** to system with username and password, the login process will not complete until the **verify** function is applied.
- The System should generate a unique identification No. for each passenger that is to differentiate between passengers with similar data.
- The *user* shall **select** the departure station, the destination, And the travel date including their arrival and departure time.
- In case there are available seats, The *user* shall **select** number of seats, coaches class and train type.
- *Users* can **pay** tickets fees electronically using Visa or Master Cards.
- The System will notify the user with the reservation details via E-mail.
- *Users* can **edit** or **cancel** the ticket reservation and the fare will be refunded in case of cancellation.
- *Admin* can **add**, **remove** and **modify** trains information.
- *Admin* can **add**, **remove** user information.
- *Admin* can **get** passenger list.