

Abstract

(Railway Ticket Reservation System)

Course Code: CS110

Course Title: Computer Programming

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Section: S3

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Course Instructor: Vaishnavi T

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Brief Description:

The Railway Ticket Reservation System facilitates the passengers to enquire about the trains available, booking and cancelling of tickets, enquire about the status of the booked ticket, etc. The aim is to design and develop a data basemaintaining the records of the different trains, train status and passengers.To use this system, its user should be registered and should have a valid login id and password to make their reservation. Users without login id and password can make new registration and get their id and set password. This is to keep each passenger safe by preventing fraud and secure transactions.After registration, passengers have to enter the source and destination station name and the system will provide the details of the trains available for the particular destination and their arrival and departure time and date. Upon selecting a particular train the details of available seats would be displayed. The passenger can choose the seat of his choice. The fare details would be displayed after the selection process. There is an option for female passengers to opt to travel with female co-passengers.This system also provides E-pass facilities for passengers who regularly travel by train. On availing E-pass facility the passenger is eligible to get certain discounts on the ticket fare.There is also an option to reserve food while booking the ticket. The passenger can also order food while travelling and get the food delivered in the next station. The passenger can access this facility using his PNG code. On cancelling the order one hour before delivery allows a 90 percent refund for the passenger

Key Features:

1. Registration of user
2. Prevent fake registrations and also ensure safe transactions
3. Booking tickets
4. Cancelling booked tickets
5. Accessing train schedule
6. Display of seat details on selecting a train
7. Display of fare as per input received
8. Food reservation for passengers
9. E-pass facility
10. Option of opting to travel with female co-passengers for ladies

References:

1. <https://youtu.be/3P4UQqyqXiM>

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