Railway System Implementation

Introduction

The Railway System Implementation is a software system written in C language that aims to provide a user-friendly interface to manage the booking and ticketing process of a railway system. It consists of four main modules - User Login, Check Status, Bookings, and Ticket Generator. This project aims to simplify the ticket booking process and provide a seamless experience to the users.

User Login

The User Login module allows registered users to log in to the system and access the booking and ticketing features. The module requires the user to enter their credentials to authenticate their identity. Proper validation for handling user prompts so that all the data entered are error-free and exactly how the system wants it for processing. If the credentials match the registered user, the system allows the user to access the booking and ticketing features. If the credentials are incorrect, the user is notified and asked to try again or register as a new user

Check Status

The Check Status module allows the user to check the status of their train and the bookings.

On entering the current date and time, the user can see the station to which the train is currently heading.

Bookings

The Bookings module allows the user to book tickets for a train. The user enters the details of the journey, such as the train number, date of travel, origin and destination stations, and the number of seats required. The user is then prompted to make the payment for the ticket.

The user can also cancel a whole booking, or the booking of any one person.

Ticket Generator

The Ticket Generator module generates the ticket for the user after the booking process is completed. The ticket contains details such as the train number, date of travel, origin and destination stations, seat numbers, and the price. The ticket is generated and formatted such that it looks just like a real-world replica .

Conclusion

The Railway System Implementation is an efficient and user-friendly system that simplifies the booking and ticketing process for a railway system. It provides a seamless experience to the users and helps the railway authorities to manage the bookings and ticketing process effectively.