

Railway Reservation System

Problem Statement

To design a Railway Reservation System that helps in railway ticket reservation and cancellation process. It provides an interface for the user to book tickets or cancel them at the same time from anywhere.

Software Requirement Specification Purpose

The purpose of this document is to describe the features of the Railway Reservation System which provides the train timing details, reservation, billing and cancellation facilities. The system reduces the intervention of the user with the ticket counter and makes the process very convenient.

Scope

The scope of this system is to specify a reservation software that facilitates making a reservation from anywhere. It provides the ability to create a reservation from different places for a particular train. It also describes the other facilities needed to be provided by the system to make it more convenient and user-friendly.

Requirements

1. Functional Requirements

- a) Provide a railway search facility.
- b) Provide a ticket reservation facility.
- c) Provide a ticket cancellation facility.

2. Non-functional Requirements

- a) The database storing the details must be backed-up and secure.
- b) The system must provide secure data transfer between server and user system.
- c) The system must be very secure.
- d) The system must provide very fast response time.

3. User Requirements

- a) Options to reserve or cancel a ticket.
- b) A proper user-friendly interface.
- c) A screen that displays all user transactions.
- d) Secure payment methods.