

Railway Reservation System

Problem Statement: The Railway Reservation System is a software system designed to automate the process of railway ticket reservation, cancellation, refund. The primary issue faced by the passengers is the manual and time consuming process of ticket booking, which may lead to long queues, errors - which can be resolved by developing a railway reservation system.

Scope: The scope document will entail the design and implementation of a railway reservation system to allow passengers to book & manage tickets online.

Functional Requirements:

- Train schedule search - system must allow passengers to search for train schedules / routes including availability of tickets
- Reservation booking - system must allow users to book tickets online, with availability to select preferred seat / class
- Payment: system must allow passengers to make secure online payments for reservations.
- Cancellations: system must allow users to cancel reservations & receive refund if applicable.

Non-functional Requirements: system must be reliable, accurate & efficient. system must be easy to use & learn. It must also be compatible with existing software used by railway companies.

Interface Requirements: The system should have a user-friendly interface for passengers. Passengers should be able to search for, book tickets, etc.

Performance Requirements: The system should be fast and responsive and its maximum response time must not be greater than 3 seconds. The system should be scalable & secure.

Preliminary schedule & Budget: The development of the Railways Reservation system
expected to take approximately six months with a
budget of \$100,000

