

Railway Reservation

Problem Statement:

The railway reservations system facilitates the reservation of railway tickets for railway customers

SRS:

1. Introduction

* To design the functional and non-functional requirements for the railway reservation system

* Ensuring the system is fast, robust and reliable

* Ensuring all the payment pass through successfully

2. General description

The railways customers are the main user of this system of reservation of tickets. Providing the travellers with a fast, robust and reliable platform for reservation of railway tickets.

3. Functional Requirements

* Transparency of the system

* Ensuring the databases are consistent

* Ensuring quick refund in case of any issues

* Integration with existing reservation system

4. Interface requirements

* Integration of the railway reservation system with the existing system.

- * Integration of system with payment gateway to make easy payment
- * Providing a user-friendly experience to the travellers and other stakeholders.

5. Performance Requirements

- * The reservation should be confirmed in 2 seconds.
- * The confirmation email should be sent in 5 seconds
- * System should be able to handle large number of travellers at peak hours

6. Design Constraints

- * The system should not have a complex structure
- * The security should have incorporated security systems
- * The should not take more than 1 second response time

7. Non Functional requirements

- * The system should be completely automated
- * The payment system of the reservation system should be transparent
- * The personal data of the travellers should not be leaked.

8. Preliminary Schedule and Budget

- * Planning: 10 days
- * Development: 3 months
- * Testing: 1 month
- * Deployment: 15 days
- * Hardware: \$ 600,000
- * Staff: \$ 200,000