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## **SRS Documentation for Railway Reservation System**

### **OBJECTIVE**

To develop software for railway reservation system with various functional and non- Functional part of design namely,

1. PROBLEM ANALYSIS AND REQUIREMENT ANALYSIS.
2. TRAIN ENQUIRY
3. TICKET GENERATION
4. TICKET CANCELLATION

The ultimate goal of this project is to develop a database that integrates the process of the Reservation of railway

### **INTRODUCTION**

The purpose of this source is to describe the railway reservation system which provides the train timing details, reservation, billing and cancellation on various types of reservation namely,

1. Confirm Reservation for confirm Seat.
2. Reservation against Cancellation.
3. Waiting list Reservation.
4. Online Reservation.
5. PNR Generation

### **TECHNOLOGY USED**

#### **1. USER INTERFACE:**

- Keyboard and Mouse

#### **2. HARDWARE REQUIREMENT:**

- Printer
- Normal PC
- CPU – Intel Core 2 Duo E7300
- RAM – 512MB (MIN)
- Hard Disk – 80GB

#### **3. SOFTWARE REQUIREMENT:**

- Turbo C++, C

#### **4. OPERATING ENVIRONMENT:**

The OS used are

- Windows 97
- Windows XP

#### **INTENDED AUDIENCE:**

The different types of readers are

1. Developers
2. Customers
3. Management people specifically,
4. Passengers
5. Clerk

#### **DEFINITIONS, ACRONYMS AND ABBREVIATIONS**

1. NTES – National Train Enquiry System
2. IVRS – Interactive Voice Response system
3. PRS – passenger reservation system

It consists of

- Train details
- Reservation form
- Billing
- Cancellation.

**GENERAL DESCRIPTION** It enables us to maintain the railway train details like their timings, number of seat available and reservation billing and cancelling the tickets.

#### **COMMUNICATION INTERFACES**

- Indian Railway's web-site, [www.indianrail.gov.in](http://www.indianrail.gov.in) offers PRS enquiries on the internet Berth/Seat availability, Passenger Status, Fare, Train Schedule etc.,
- National Train Enquiry System (NTES) website, [www.trainenquiry.com](http://www.trainenquiry.com) gives dynamic information about the running status of any train and its expected arrival/departure at any given station.
- Mobile telephone based SMS enquiry service. A new mobile phone based facility for rail users' which is. Country wide extension of Universal Rail Enquiry number "139" through setting up of Interactive Voice Response System (IVRS).

## **OPERATIONS**

1. Any Reservation counter from 8 am to 8 pm.
2. Prior to 90 days of Journey.
3. One form for 6 persons only.
4. To save time & queues Agent is others guides.

## **PRODUCT FUNCTION**

- It tells the short note about the product.

## **TRAIN DETAILS**

- Customers may view the train timing at a date their name and number of tickets.
- Passengers operated Enquiry Terminals.

## **PERFORMANCE REQUIREMENTS**

- It is available during all 24 hours.
- Offered through Mail express, super-fast, Rajdhani & Shatabdi Trains.
- About 1520 Trains runs daily.

### **Variety of compartments based on comfort:**

1. AC first class.
2. AC sleeper.
3. First class.
4. AC three tier.
5. AC chair car.
6. Sleeper class
7. Ordinary chair car.

### **Types of concerns & complexities:**

1. 44 types of quotas.
2. 8 types of trains.
3. 9 types of classes.
4. 162 types of concessions.
5. 127 types of bogies

## **SOFTWARE SYSTEM ATTRIBUTES:**

1. Reliable
2. Available
3. Secure

## **DOCUMENT APPROVAL**

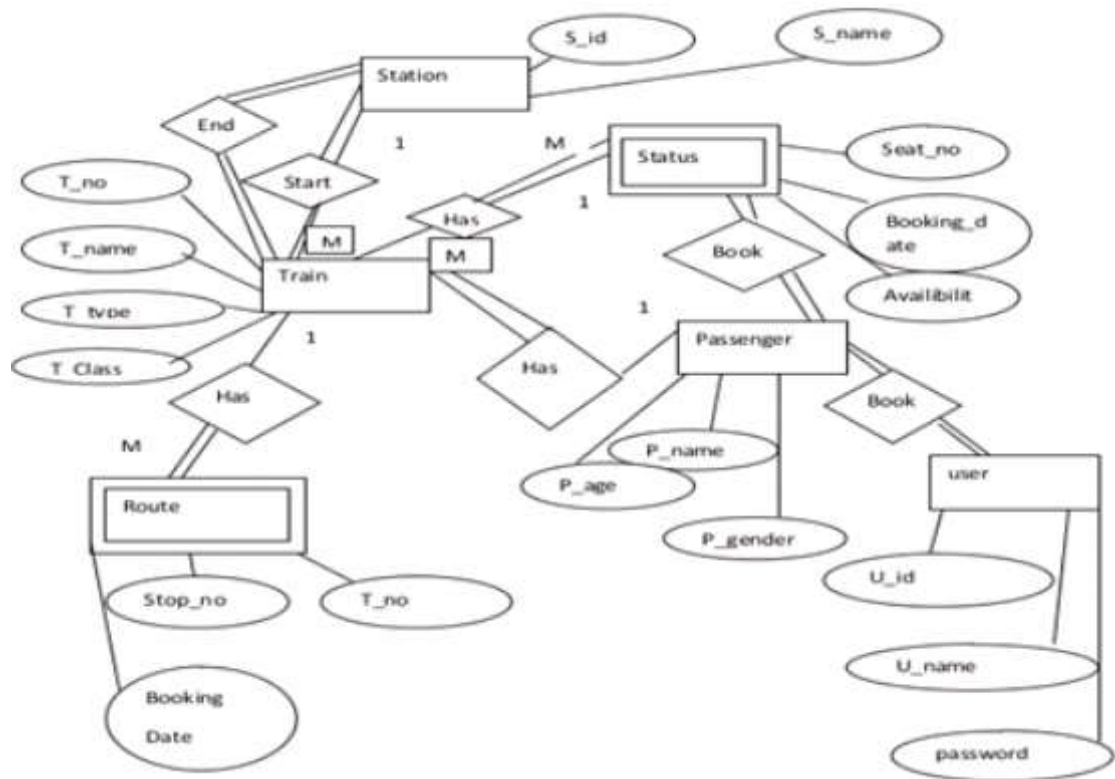
The bill passed on any proposals related to railway management needs approval of Ministry of railway department.



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1.4k views

ER DIAGRAM:



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