

# **DEPARTMENT OF COMPUTING TECHNOLOGIES**

## **Project Report**

**ACADEMIC YEAR: 2021-22 EVEN SEMESTER**

**Programme (UG/PG) : UG**  
**Semester : VI**  
**Course Code : 18CSC303J**  
**Course Title : Database Management Systems Lab**  
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*Submitted by*

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*In partial fulfillment of the requirements for the degree of*

**BACHELOR OF TECHNOLOGY**



**FACULTY OF ENGINEERING AND TECHNOLOGY**

**SRM UNIVERSITY**

(Under section 3 of UGC Act, 1956) SRM

**Registration Number : RA1911028010014**

**Project Report**

**Course Code: 18CSC303J**

**Name of the Course: Database Management Systems Lab**

**Programme: B. Tech**

It is certified that this is a Bonafide record of the work carried out by **Pranit Tandon** of **H2** class during the year 2021 -2022

Faculty In-Charge

HoD

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**Faculty In charge**

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**HOD**

**Dr. M. Pushpalatha**

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## **List Of Tables**

**1. Passenger Details**

**2. Available Trains**

**3. Station Details**

**4. Ticket Details**

**5. List of PNR Numbers**

**Topic:** Railway Ticket Reservartion system

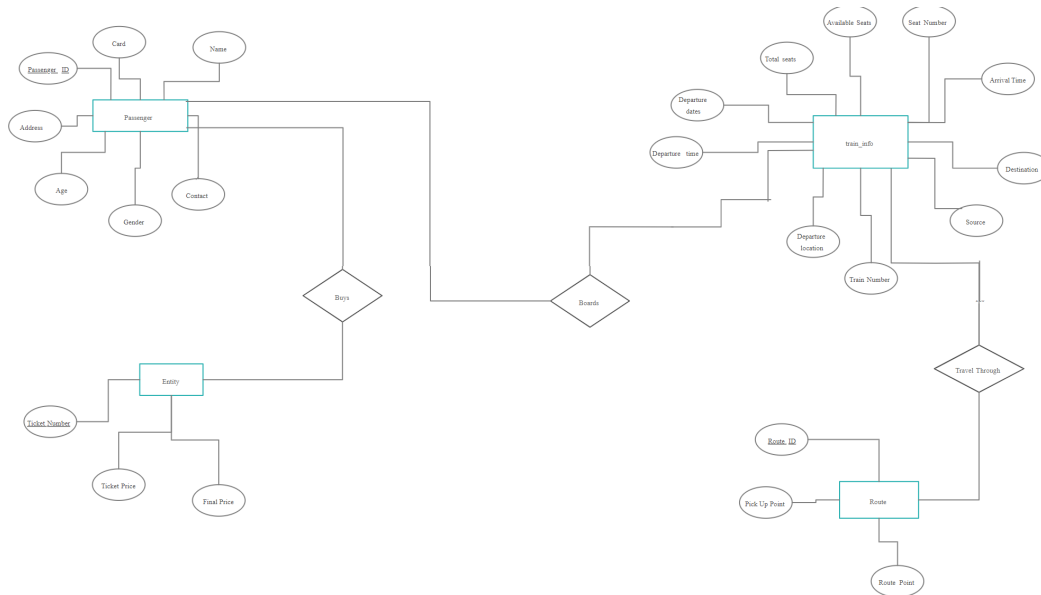
**Abstract:**

The Railway Ticket Reservation System facilitates the passengers to enquire about the trains available on the basis of source and destination, enquire about the status of booking, etc. The aim of our project is to design and develop a database maintaining the records of available trains, passenger details mainly login credentials, and so on.

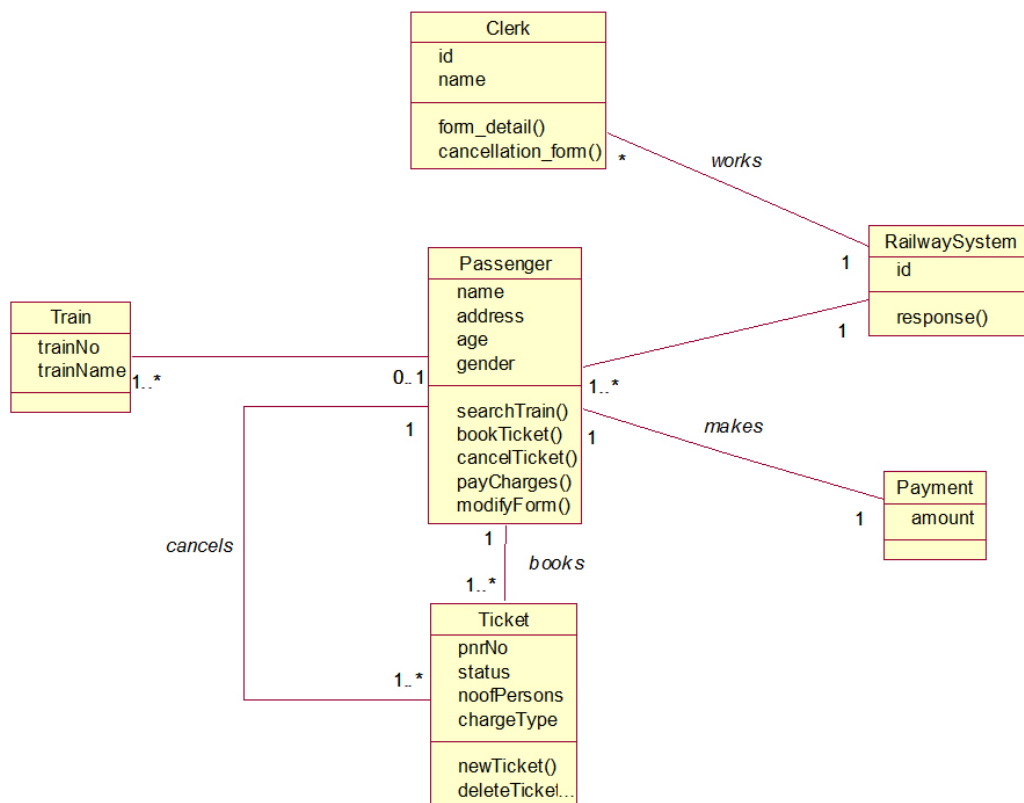
This is a computerized system of booking tickets in advance. In conventional ways passengers have to get the tickets in person. But here the passenger can book their tickets from wherever they are, making it extremely comfortable for traveling purposes. Online ticket booking has made the process for ticket booking very much easier than ever before.

“Railway Ticket Booking System” is the system where the users can reserve the railway seats. This is the web browser where they can reserve it online. Designed a Railway ticket booking, reservation, and cancellation system for users that wish to travel via the Railways.

## ER Diagram:



## Schema Diagram:



## **List of Modules implemented:**

### **1. Home Page**

- Displays all the facilities available.
- Includes features and basic details

### **2. Login/Register**

- Used to register a new account by entering required details.
- Users can login straightaway if they already have an account.

### **3. Book/Cancel a ticket**

- Here is where the user can proceed to book/cancel their train ticket.
- The user is supposed to choose the source and destination and check for available trains.

### **4. PNR status**

- Users can check their ticket status using the PNR number they receive after booking.
- The booked ticket may either be successful or in the waiting list.



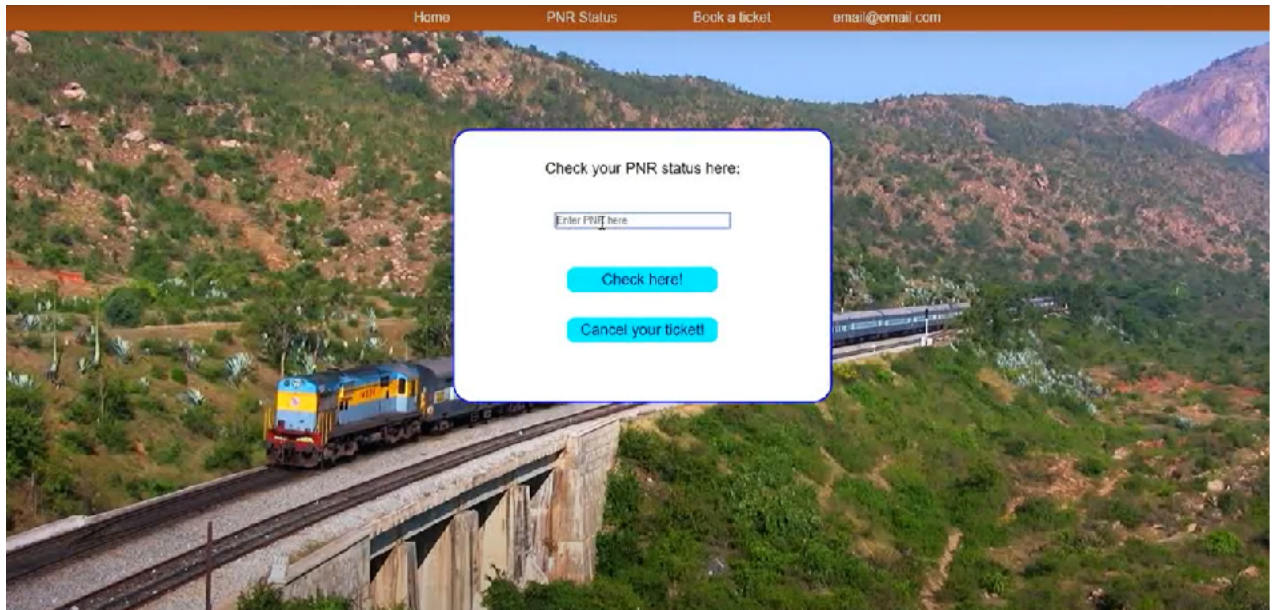
## Screenshots:



Homepage with options to navigate through the website.

The screenshot shows the registration page of the Indian Railways website. It features a semi-transparent box with the title "Enter your details:". Below the title are input fields for: First name, Last name, Age, Mobile Number, Gender (with radio buttons for Male and Female), E-Mail ID, Password, and Confirm Password. There are "Submit" and "Reset" buttons below the input fields. Below the input fields, there is a link "Already have an account with us?" and a "Login" button. The background of the page shows a train track curving through a landscape at sunset.

Registration page for users to create a new login ID.



Page for users to check the PNR Status of their tickets, with option for ticket cancellation.

**Conclusion:**

- Railway Ticket Reservation system was successfully built to ensure that the management became effective, systematic and meeting user requirements.
- The functional services provided in the current version are booking, cancelling and checking pnr status of ticket as and when the user needs.

