Experiment 4

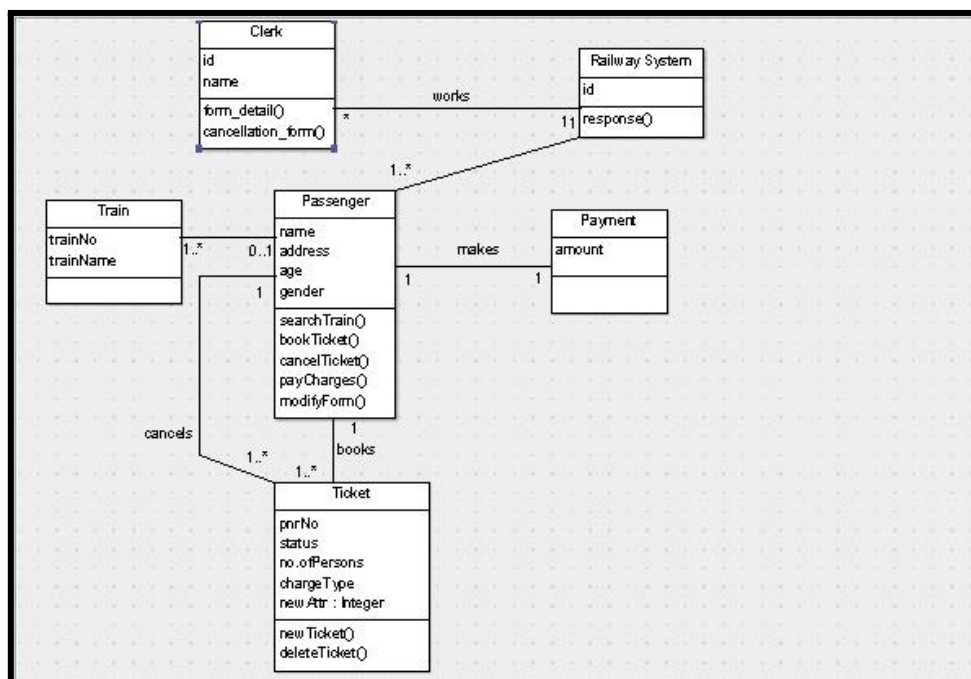## Railway Reservation System

Problem Statement:

- The case study titled Railway Reservation System is reservation management software for the purpose of monitoring and controlling the reservations and management in the Railway.

- This case study on the Railway Reservation System gives us complete information about the daily reservations done in Railway.

- An attractive user interface, combined with strong searching, insertion and reporting capabilities.

The following are the brief description of the functions achieved through this case study:
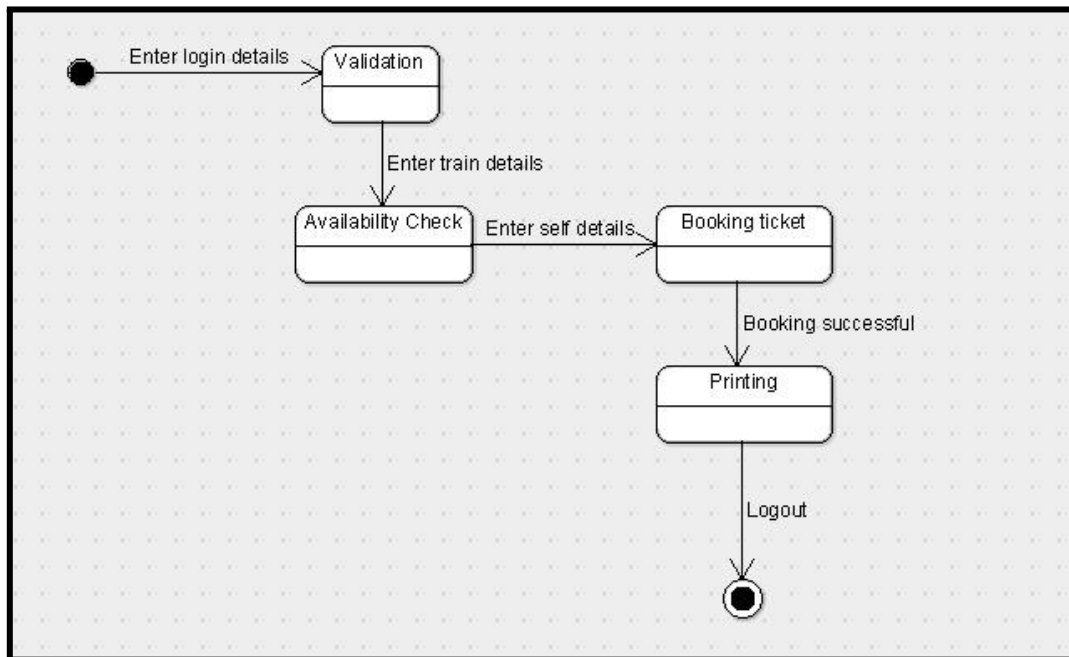
Clerk: To maintain and update the records and also to cater for the needs of the passengers.

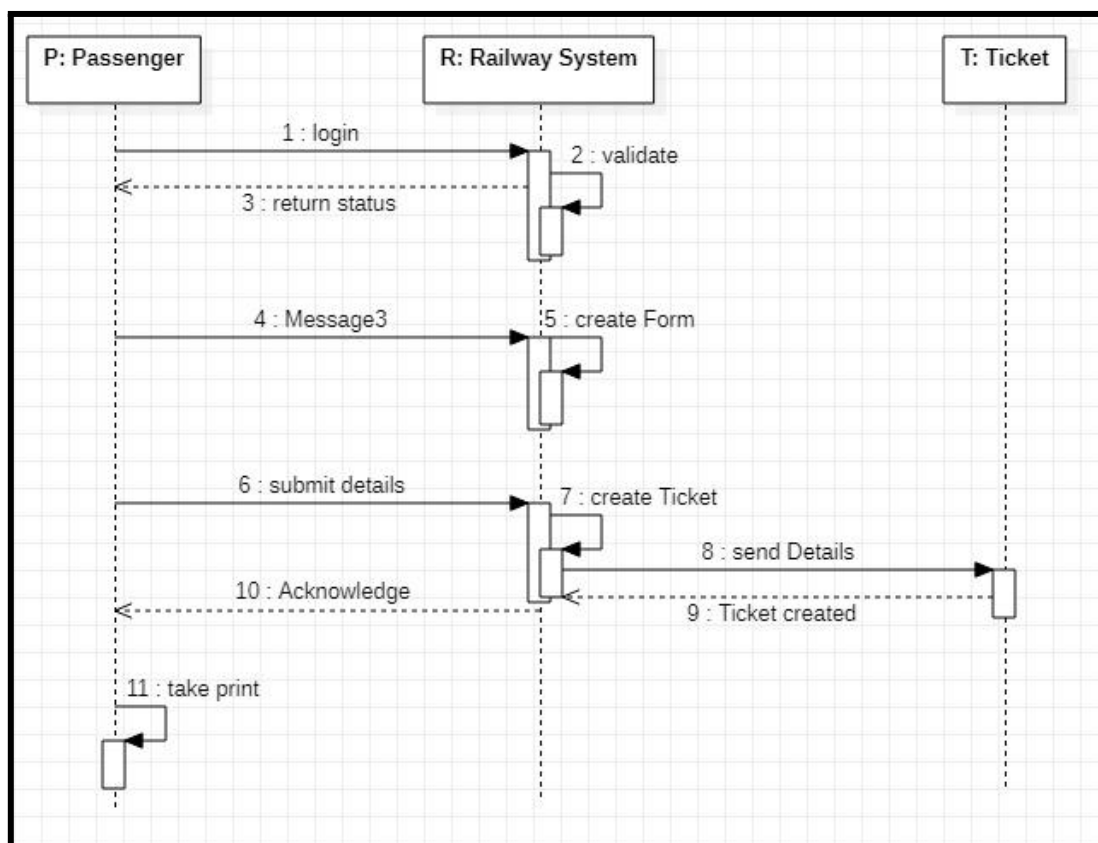**Passenger**: Needs to check and book tickets

Class Diagram

State Chart Diagram

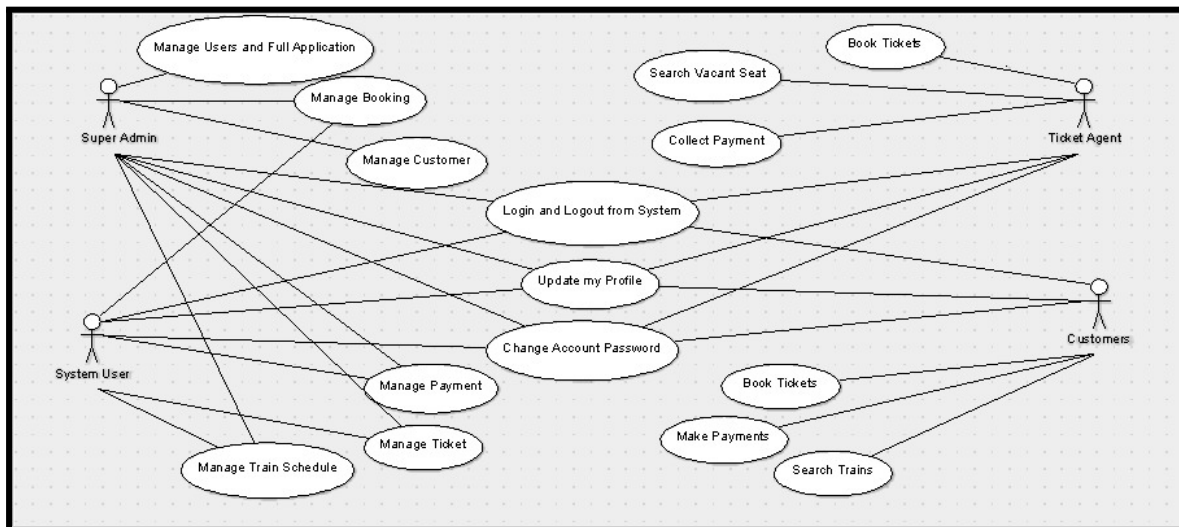**Sequence Diagram**

Sequence diagram for booking a ticket and issuing it as per the request by the user from the Railway System:

Use-case Diagram

Manage Users and Full Application

Book Tickets

Search Vacant Seat

Manage Booking

Super Admin

Manage Customer

Collect Payment

Ticket Agent

Login and Logout from System

Update my Profile

Change Account Password

Customers

System User

Manage Payment

Book Tickets

Manage Ticket

Make Payments

Manage Train Schedule

Search Trains

Deployment Diagram

Railway Reservation Web Server

Printer

Passenger 1

Passenger 2

Application Server

Passenger 3

Database Server