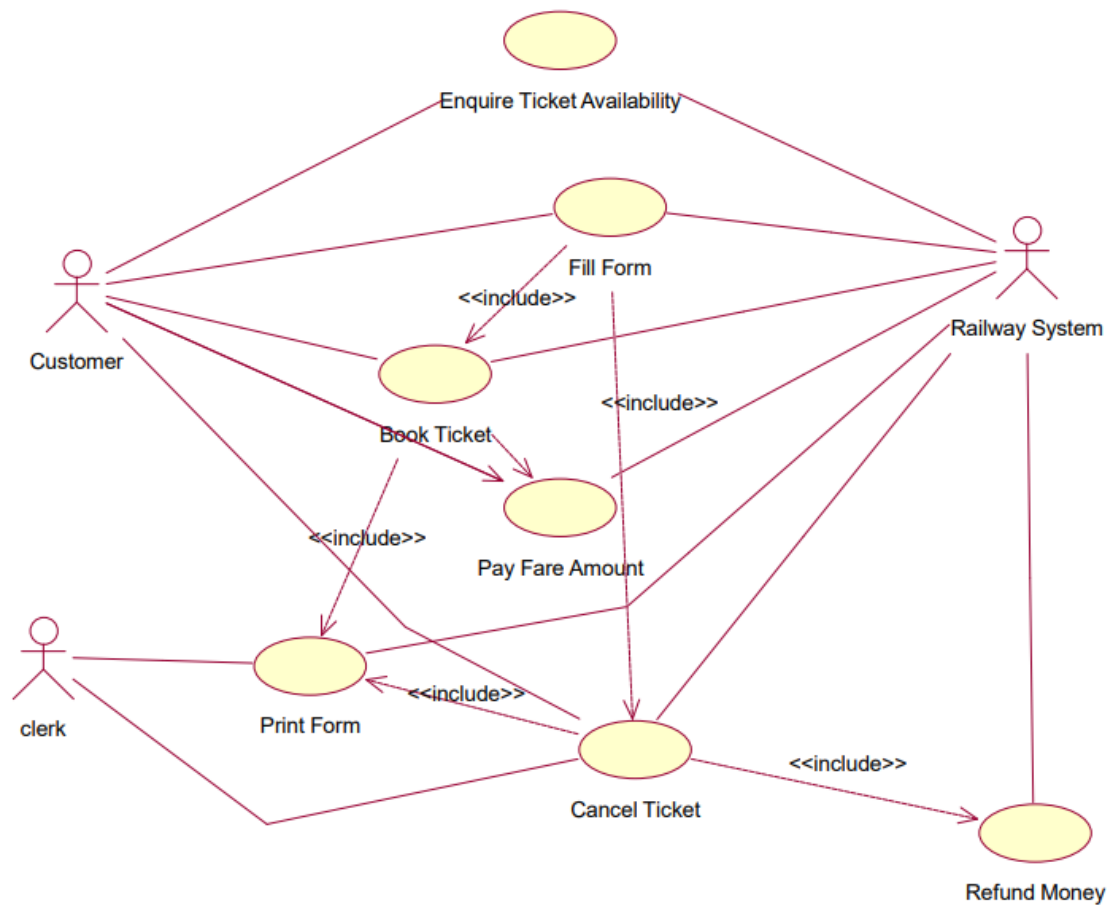**AIM:** To create UML Diagram for Railway Reservation.
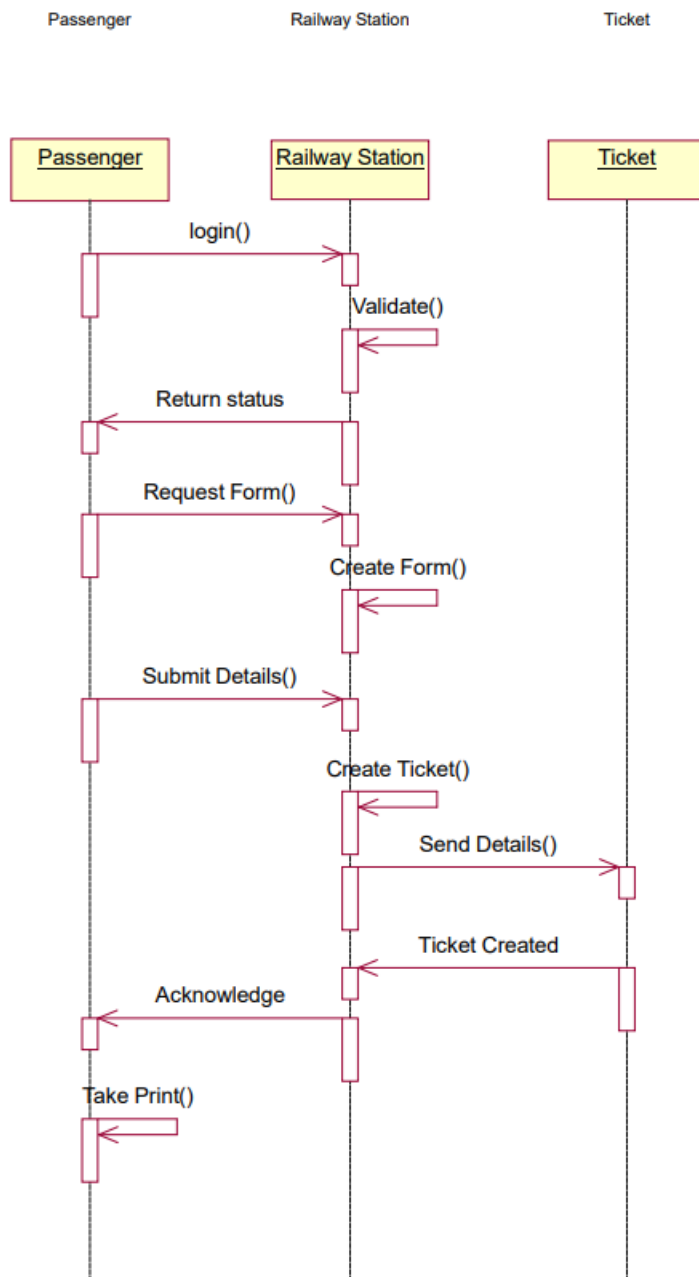
PROBLEM STATEMENT:

Railway Reservation System is a system used for booking tickets over internet. Any Customer Can book tickets for different trains. Customer can book a ticket only if the tickets are available. Customer searches for the availability of tickets then if the tickets are available, he books the tickets by initially filling details in a form. Tickets can be booked in two ways by i-ticket or by e-ticket booking.

In case of i-ticket booking customer can book the tickets online and the tickets are couriered to Particular customer at their address. But in case of e-ticket booking and cancelling tickets are booked and cancelled online sitting at the home and customer himself has to take print of the ticket but in both the cases amount for tickets are deducted from customer's account.
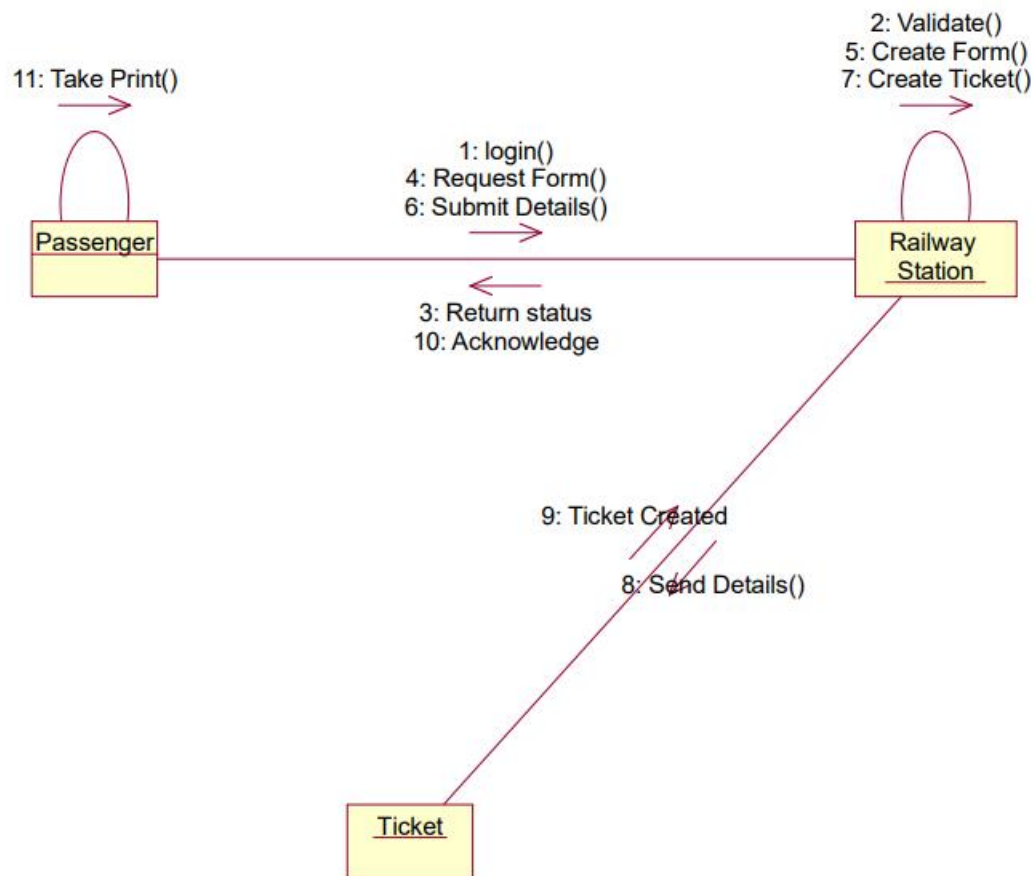
For cancellation of ticket the customer has to go at reservation office than fill cancellation form and ask the clerk to cancel the ticket than the refund is transferred to customer account. After booking ticket the customer has to checkout by paying fare amount to clerk.
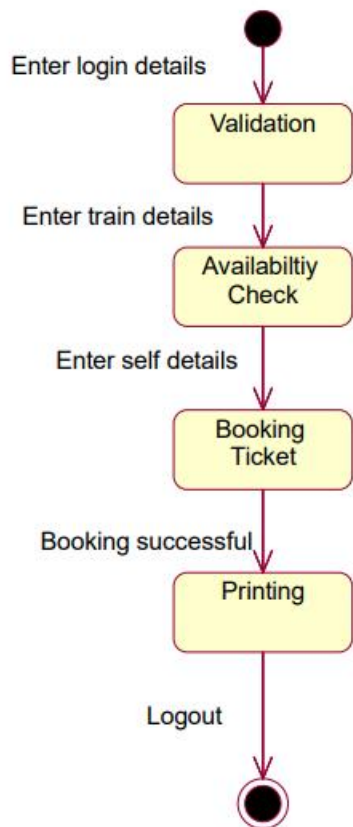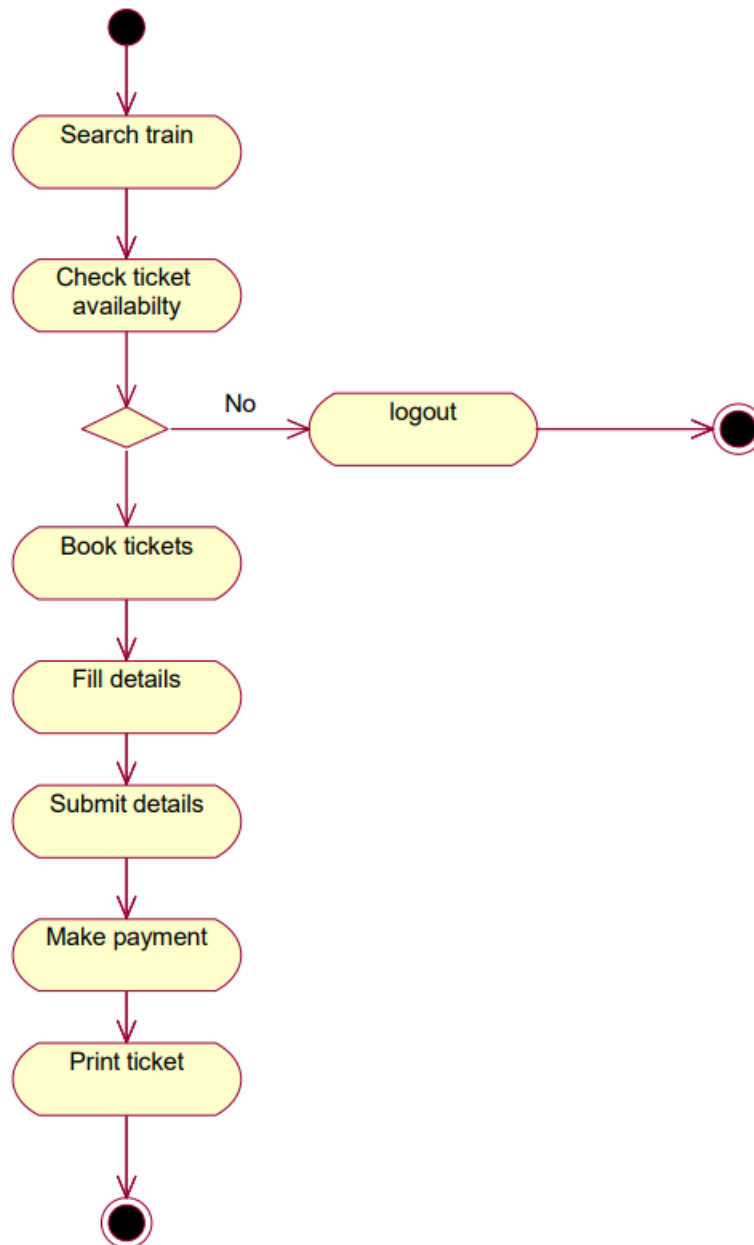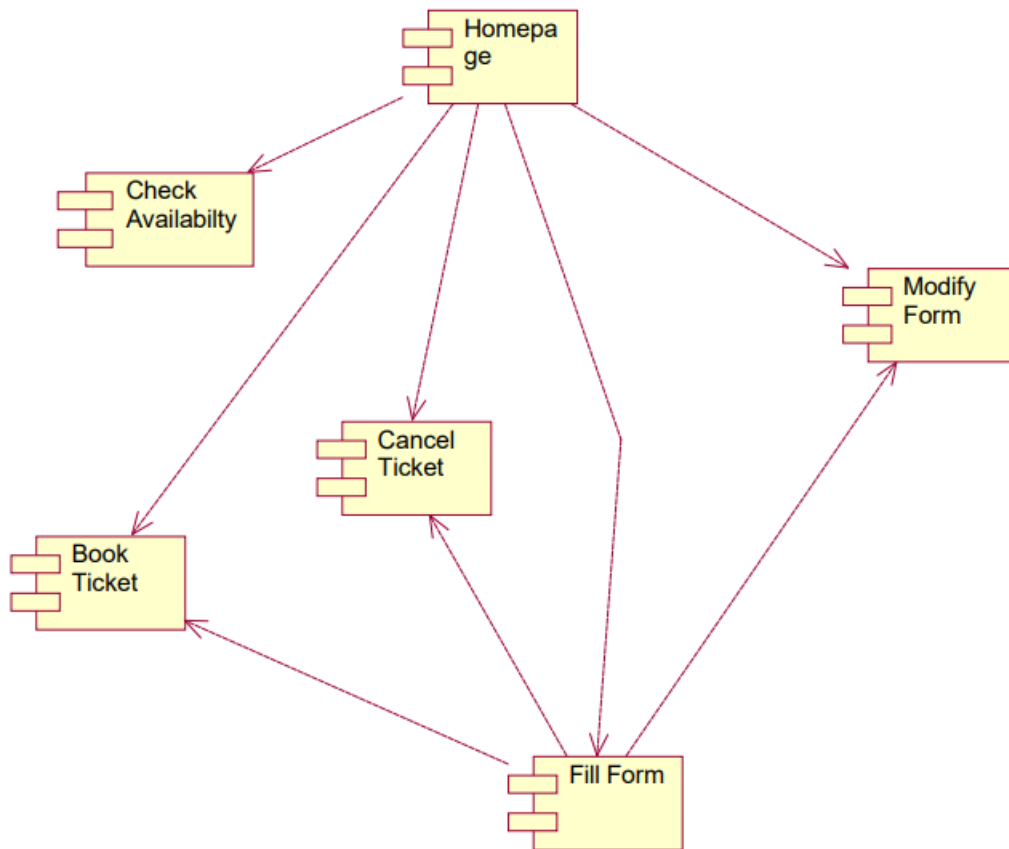
1. USE CASE DIAGRAM:

2. SEQUENCE DIAGRAM:

Passenger · Railway Station · Ticket

login()

Validate()

Return status

Request Form()

Create Form()

Submit Details()

Create Ticket()

Send Details()

Ticket Created

Acknowledge

Take Print()

3. COLLOBORATION DIAGRAM:

4. STATE DIAGRAM

Enter login details

Validation

Enter train details

Availabiltiy
Check

Enter self details

Booking
Ticket

Booking successful
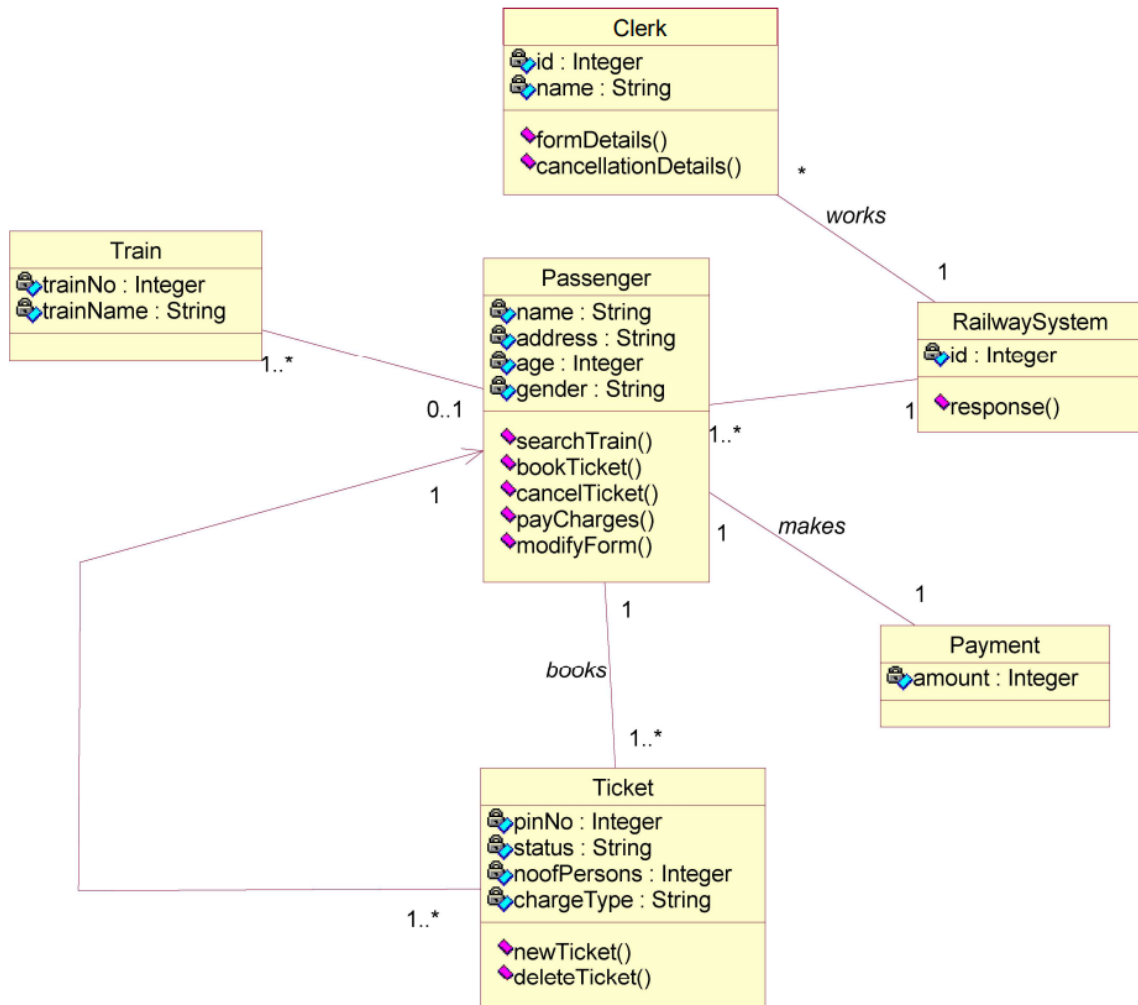
Printing

Logout

5. ACTIVITY DIAGRAM:

6. COMPONENT DIAGRAM:

7. CLASS DIAGRAM:

8. DEPLOYMENT DIAGRAM: