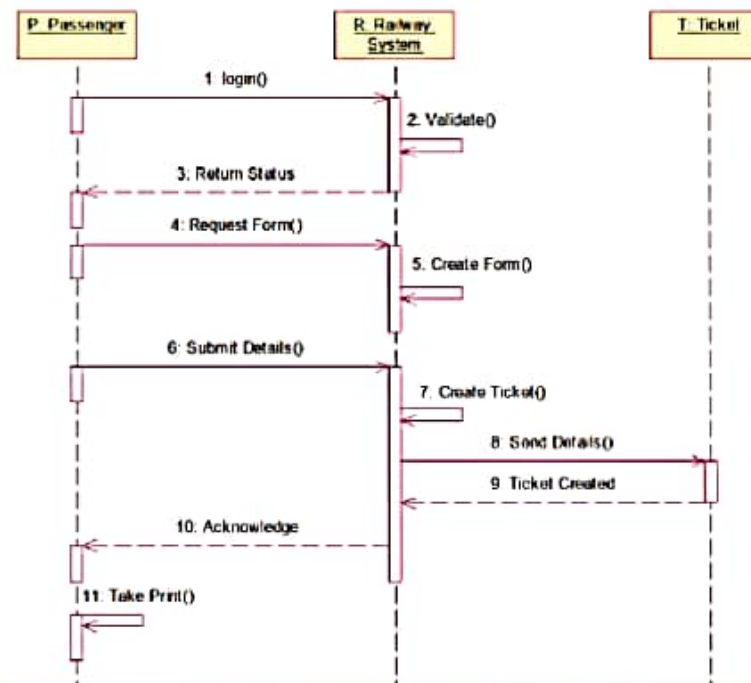


Sequence diagram



Sequence diagram for railway r

collaboration diagram for atm

Railway reservation system UM

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Statechart diagram

```
graph TD; Start(( )) -- "Enter login details" --> Validation[Validation]; Validation -- "Enter train details" --> Availability[Availability Check]; Availability -- "Enter self details" --> Booking[Booking Ticket]; Booking -- "Booking successful" --> Printing[Printing]; Printing -- "Logout" --> End((( )));
```

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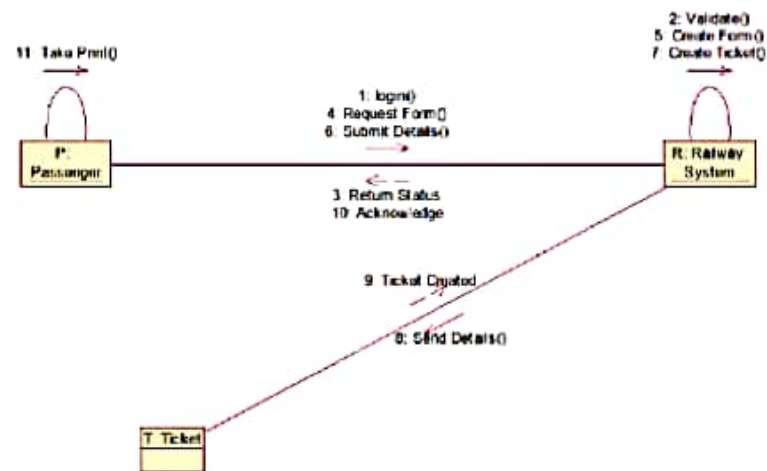
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Collaboration diagram



Statechart diagram



Sequence diagram for railway

collaboration diagram for atm

Railway reservation system UML

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Class diagram

```
classDiagram
    class Clerk {
        id
        name
        form_detail()
        cancellation_form()
    }
    class Passenger {
        name
        address
        age
        gender
        searchTrain()
        bookTicket()
        cancelTicket()
        payCharges()
        modifyForm()
    }
    class Train {
        trainNo
        trainName
    }
    class Ticket {
        prntNo
        status
        noOfPersons
        chargeType
        newTicket()
        deleteTicket()
    }
    class Payment {
        amount
    }
    class RailwaySystem {
        id
        response()
    }

    Clerk "1" -- "*" Passenger : works
    Passenger "1" -- "1" Train : 
    Passenger "1" -- "1" Ticket : books
    Passenger "1" -- "1" Payment : makes
    Passenger "1" -- "0..1" Train : 
    Ticket "1..*" -- "1" Passenger : cancels
```

The diagram illustrates the relationships between various components of a railway reservation system. The classes and their attributes are: Clerk (id, name, form_detail(), cancellation_form()), Passenger (name, address, age, gender, searchTrain(), bookTicket(), cancelTicket(), payCharges(), modifyForm()), Train (trainNo, trainName), Ticket (prntNo, status, noOfPersons, chargeType, newTicket(), deleteTicket()), Payment (amount), and RailwaySystem (id, response()). The relationships are: Clerk works with Passenger (1 to *); Passenger is associated with Train (1 to 1); Passenger books Ticket (1 to 1); Passenger makes Payment (1 to 1); Passenger is associated with Train (1 to 0..1); and Ticket cancels Passenger (1..* to 1).

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Activity diagram

