RAILWAY RESERVATION SYSTEM

correctness of the diagrams depends on the problem statement she gives so copy mindfully!

Termwork 1:

Functional Requirements:

User Registration: The system should allow users to register their details to create an account for booking tickets.
Ticket Booking: The system should provide users with the ability to book tickets for their desired destination and travel dates.
Payment Gateway: The system should have a payment gateway integration that allows users to pay for their bookings through various payment modes.
Seat Availability: The system should allow users to check the availability of seats for their desired travel dates and destinations.
Train Schedule: The system should provide users with the train schedule for their desired travel dates, including the departure and arrival time of trains.
Cancellation and Refund: The system should provide users with the ability to cancel their bookings and obtain refunds, subject to terms and conditions.

Non-Functional Requirements:

Security: The system should be secure, with appropriate measures in place to protect user data, payment information, and other sensitive information.
Performance: The system should be fast and responsive, with minimal lag time in displaying information and processing transactions.
Reliability: The system should be reliable, with minimal downtime or disruptions in service.
Usability: The system should be user-friendly, with an intuitive interface that is easy to navigate and understand.
Scalability: The system should be scalable, with the ability to handle a large number of users and transactions during peak periods.
Compatibility: The system should be compatible with different devices and browsers, enabling users to access the system from any device or location.

Ambiguities:

->Lack of clarity in the definition of the user roles and responsibilities in the system.
->Uncertainty regarding the types of payment modes that will be accepted by the system.
->Ambiguity in the definition of the terms and conditions of ticket cancellations and refunds.
->Uncertainty regarding the availability of seats on the trains and the process for handling overbooking situations.

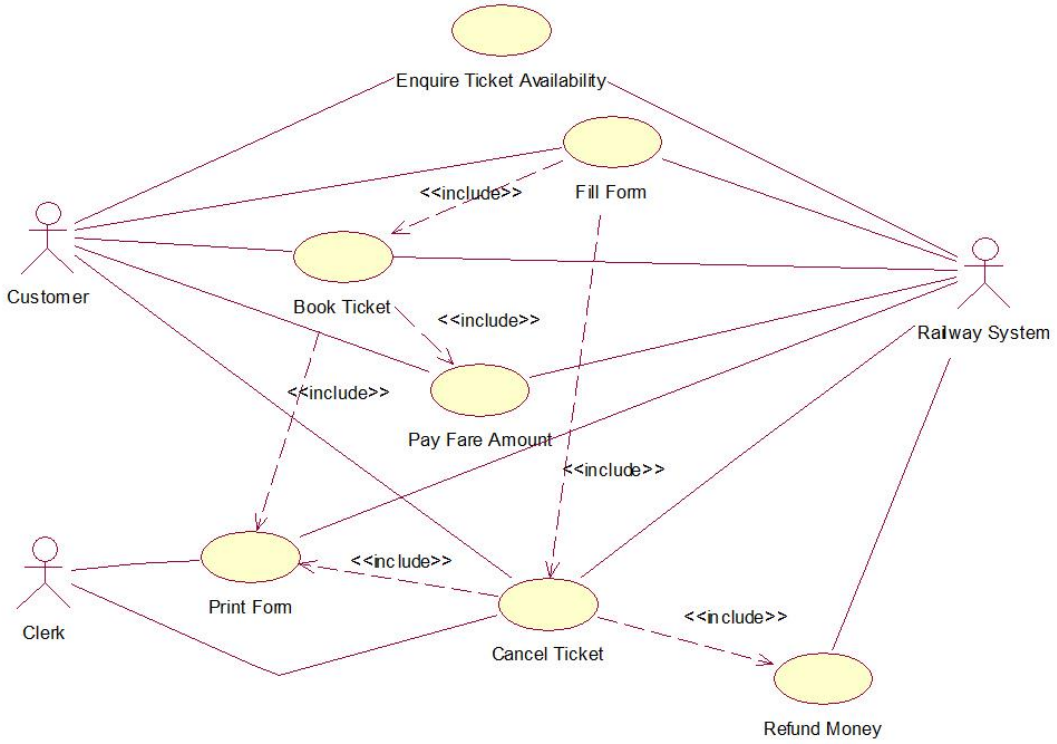
Inconsistencies:

->Inconsistent use of terminology and naming conventions across different parts of the system.
->Inconsistent implementation of business rules and logic across different parts of the system.
->Inconsistencies between the user requirements and the technical design of the system.

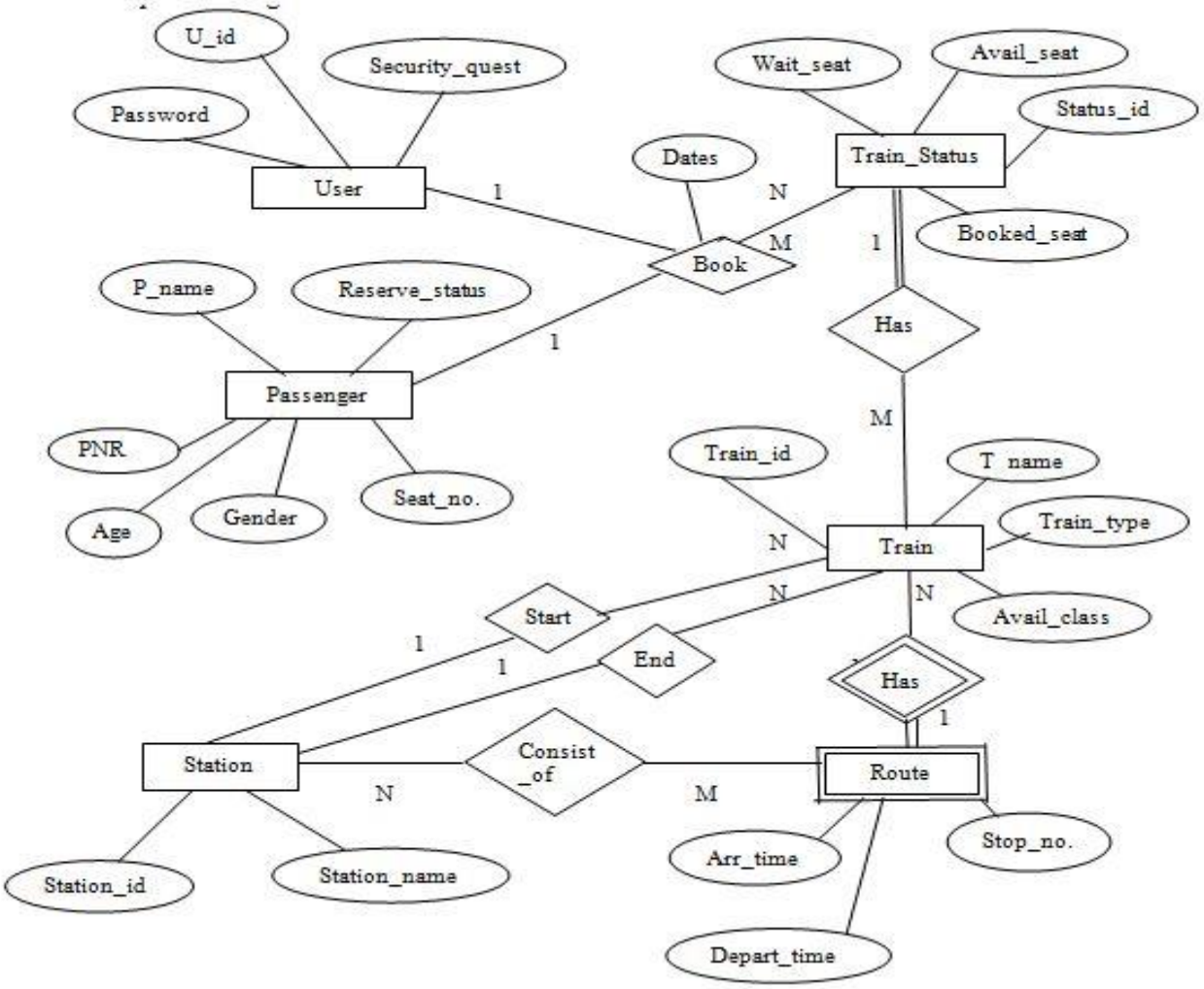
Incompleteness:

->Lack of details regarding the different types of user data that will be collected and how it will be used.
->Incomplete definition of the system's error handling and exception handling mechanisms.
->Lack of clarity regarding the system's response to unexpected scenarios such as train cancellations or delays.
->Incomplete definition of the system's reporting and analytics features.

Termwork 2:


Enquire Ticket Availability
Fill Form
<<include>>
Customer
Book Ticket
<<include>>
Railway System
<<include>>
Pay Fare Amount
<<include>>
<<include>>
Print Form
Clerk
Cancel Ticket
<<include>>
Refund Money

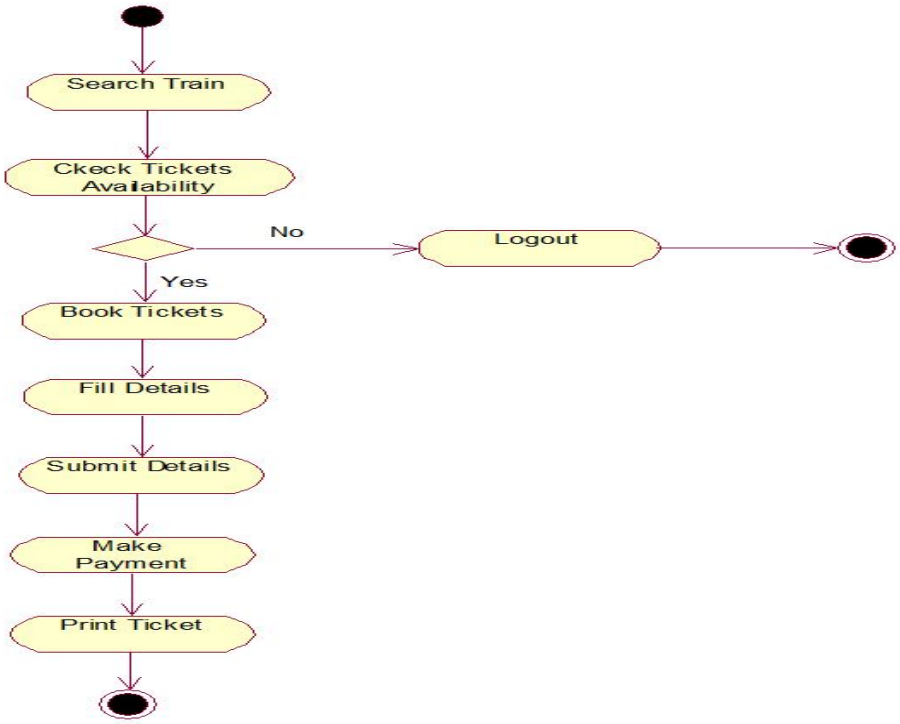
Termwork 3:



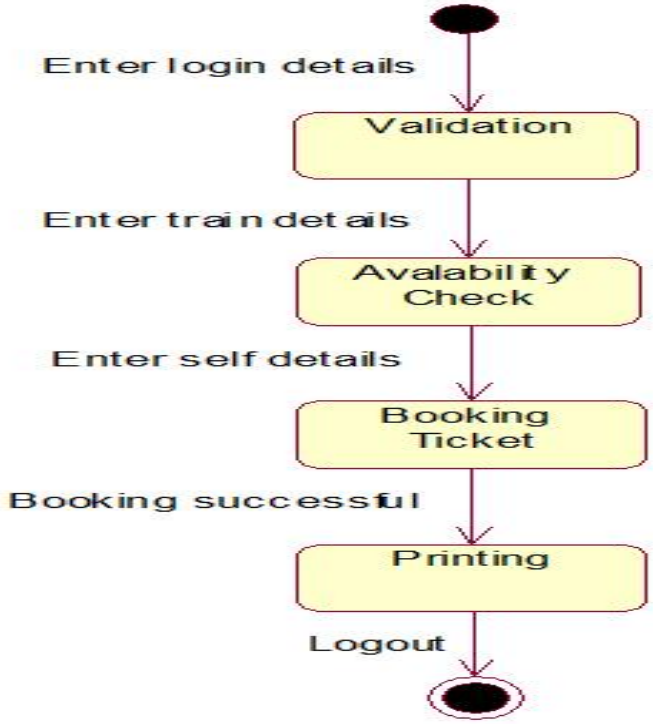
use * for primary keys, don't draw the double oval. **eg: u_id***

Termwork 5:

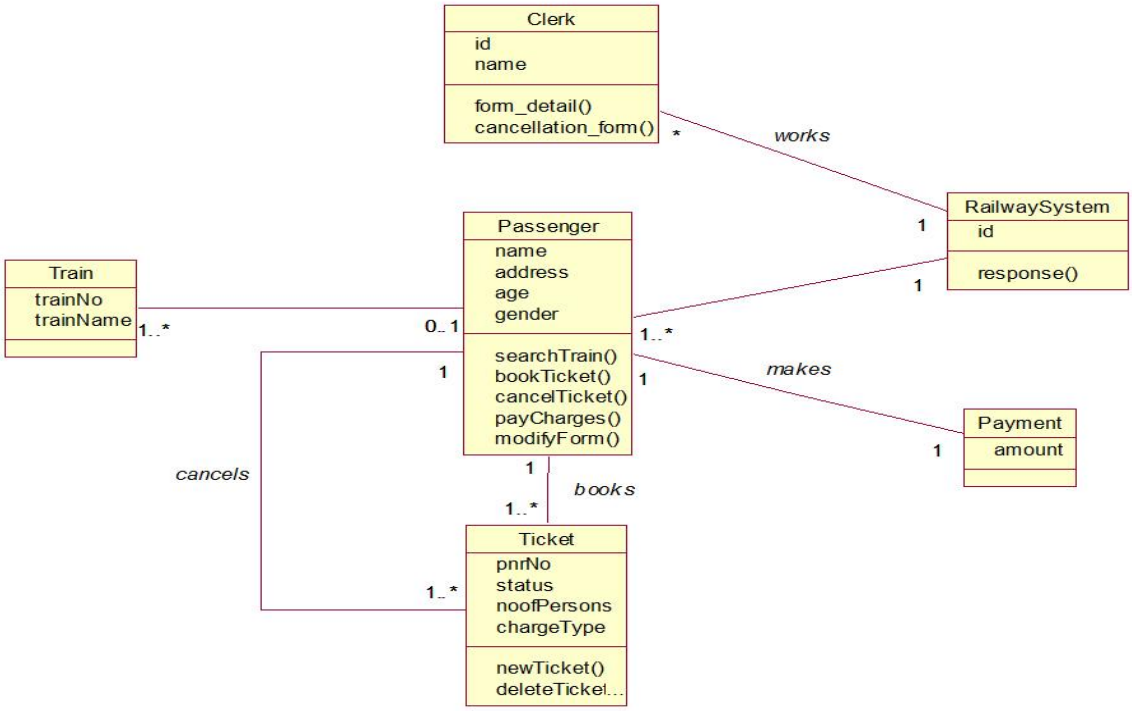
activity diagram:



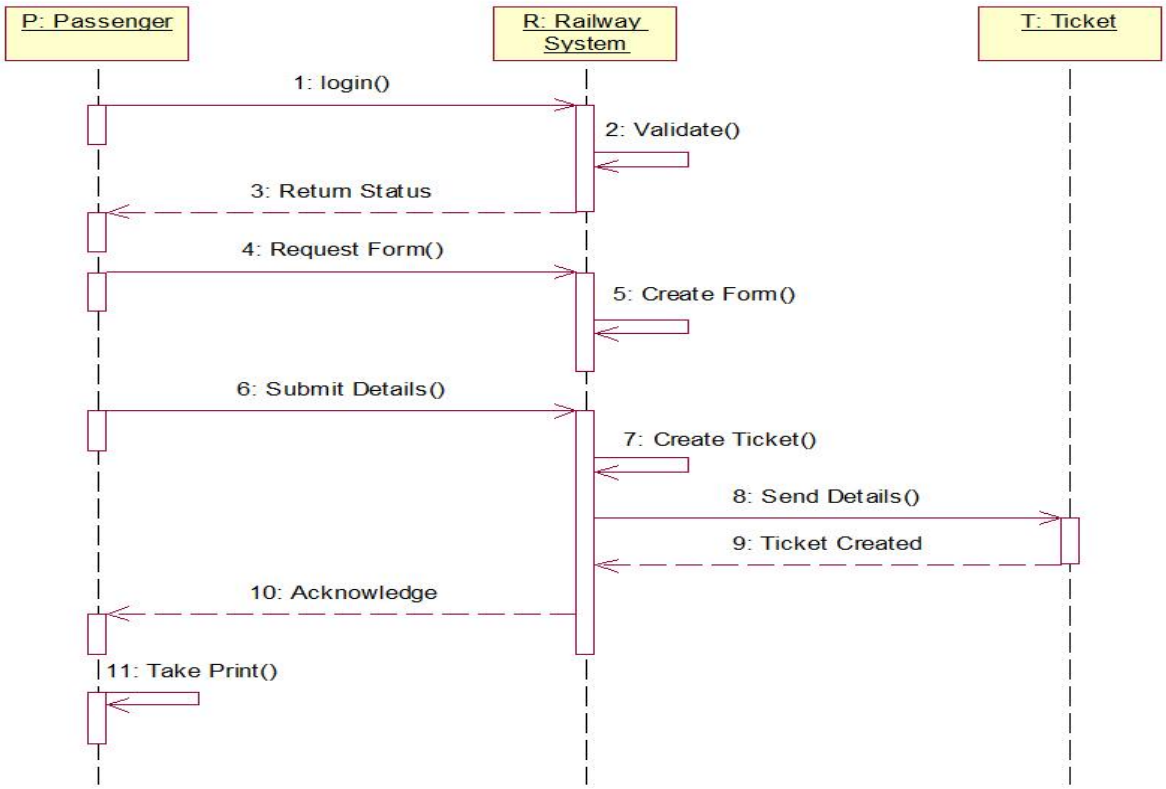
state diagram:



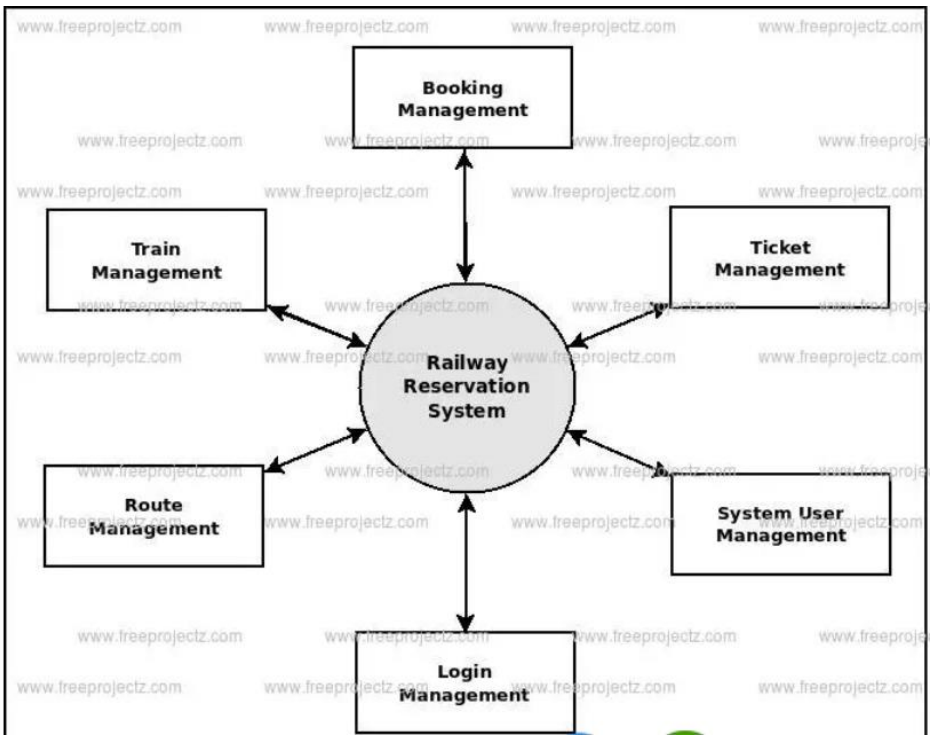
Termwork 6:
class diagram:



sequence diagram:



Termwork 7:


Booking Management
Train Management
Ticket Management
Railway Reservation System
Route Management
System User Management
Login Management