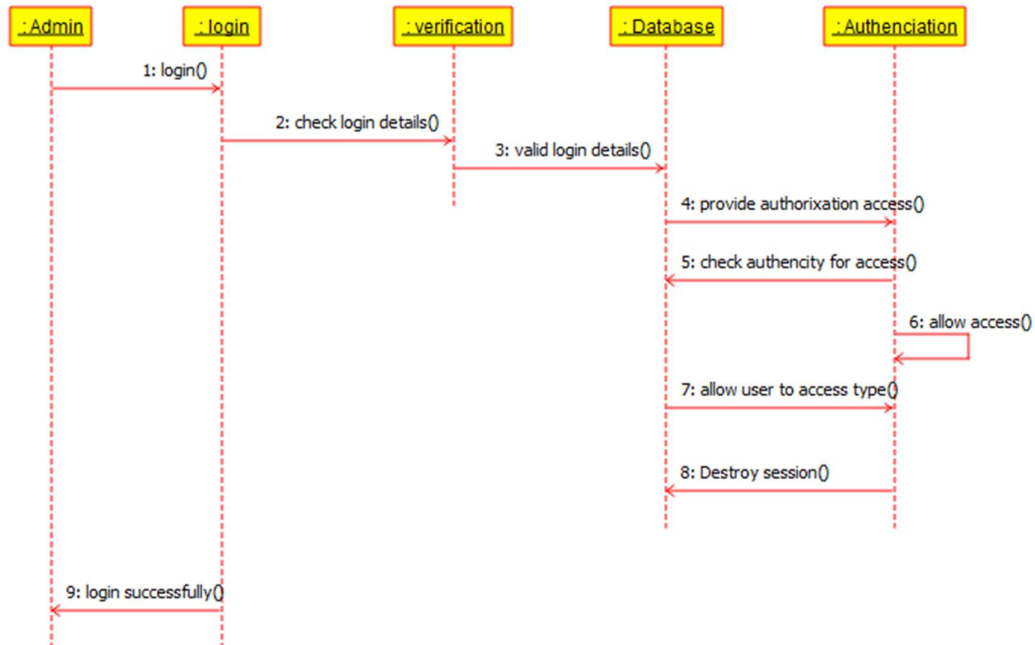# RAILWAY RESERVATION SYSTEM UML DIAGRAMS
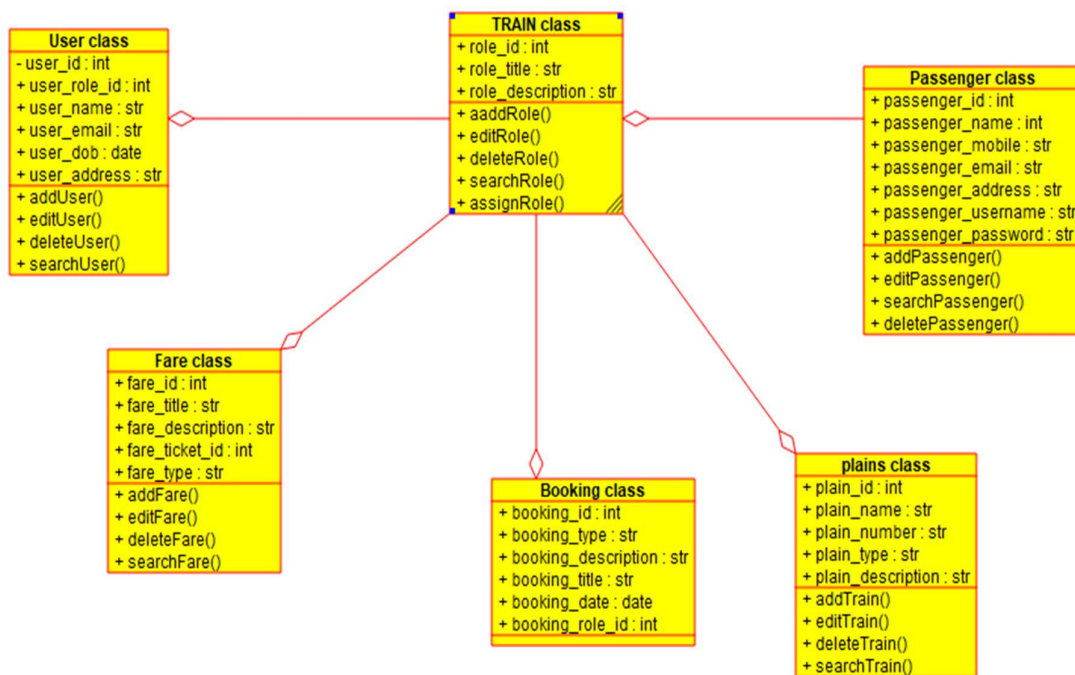
1.USE CASE DIAGRAM
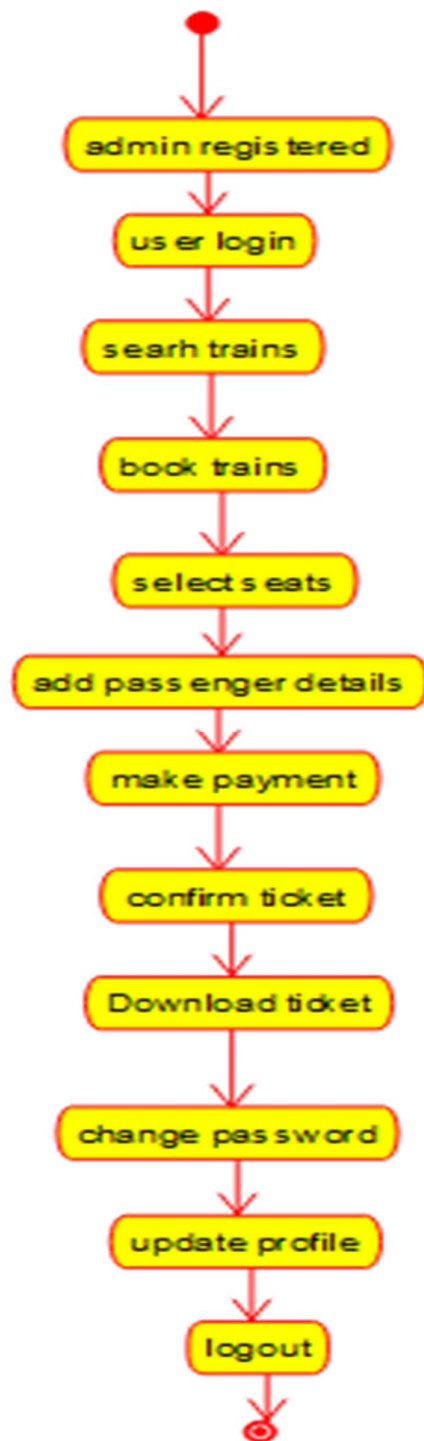
2.SEQUENCE DIAGRAM

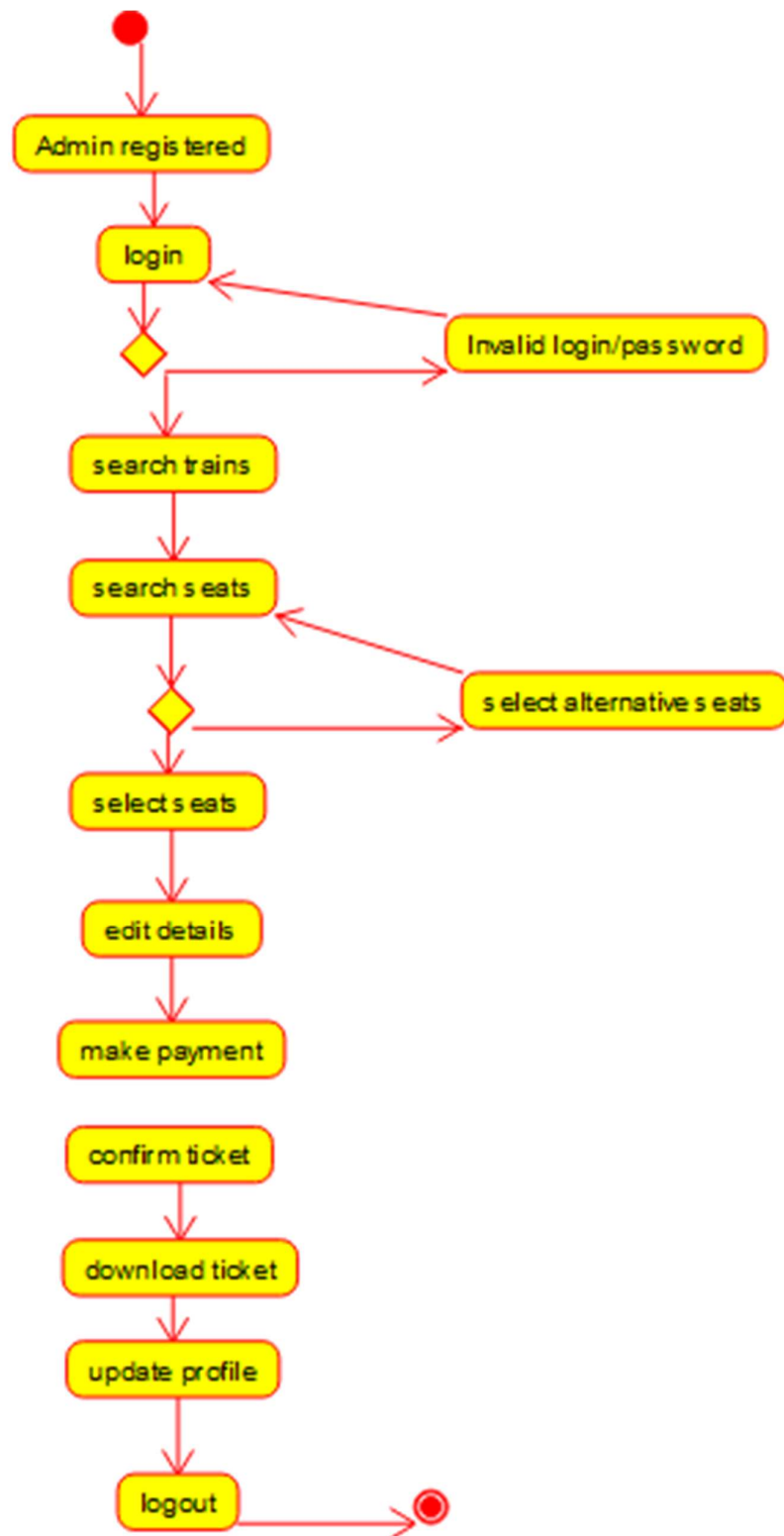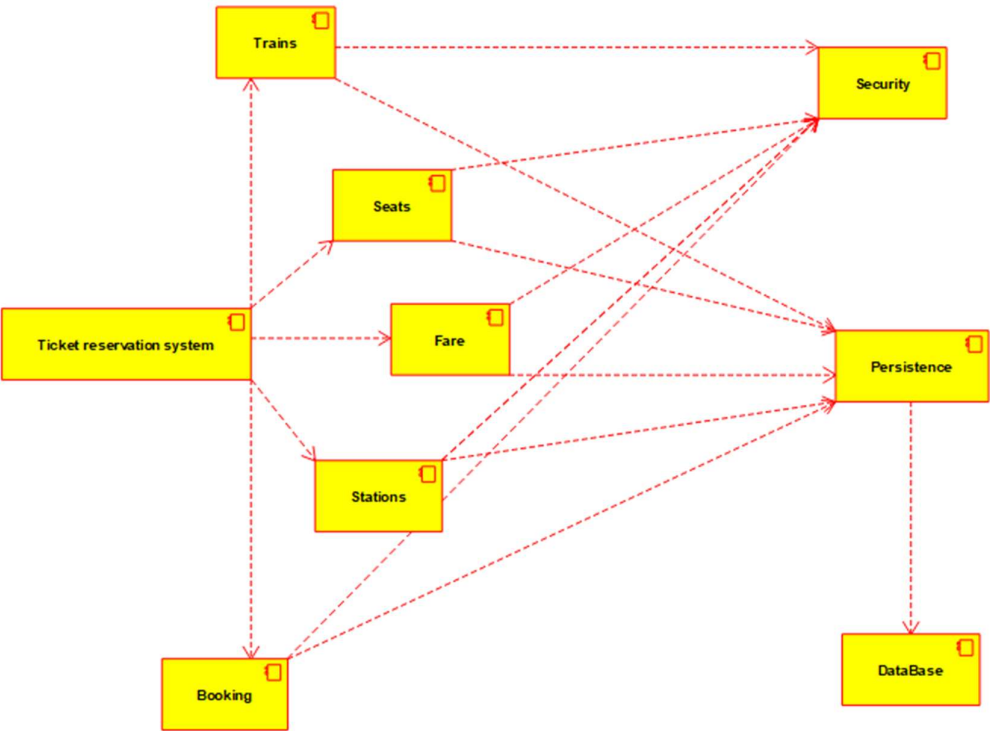| : Admin	: login	: verification	: Database	: Authenciation

1: login()

2: check login details()

3: valid login details()

4: provide authorixation access()

5: check authencity for access()

6: allow access()

7: allow user to access type()

8: Destroy session()

9: login successfully()

3.CLASS DIAGRAM

User class
- user_id : int
+ user_role_id : int
+ user_name : str
+ user_email : str
+ user_dob : date
+ user_address : str
+ addUser()
+ editUser()
+ deleteUser()
+ searchUser()

TRAIN class
+ role_id : int
+ role_title : str
+ role_description : str
+ aaddRole()
+ editRole()
+ deleteRole()
+ searchRole()
+ assignRole()

Passenger class
+ passenger_id : int
+ passenger_name : int
+ passenger_mobile : str
+ passenger_email : str
+ passenger_address : str
+ passenger_username : str
+ passenger_password : str
+ addPassenger()
+ editPassenger()
+ searchPassenger()
+ deletePassenger()

Fare class
+ fare_id : int
+ fare_title : str
+ fare_description : str
+ fare_ticket_id : int
+ fare_type : str
+ addFare()
+ editFare()
+ deleteFare()
+ searchFare()

Booking class
+ booking_id : int
+ booking_type : str
+ booking_description : str
+ booking_title : str
+ booking_date : date
+ booking_role_id : int

plains class
+ plain_id : int
+ plain_name : str
+ plain_number : str
+ plain_type : str
+ plain_description : str
+ addTrain()
+ editTrain()
+ deleteTrain()
+ searchTrain()

4.STATE DIAGRAM

admin registered

user login

searh trains

book trains

select seats

add passenger details

make payment

confirm ticket

Download ticket

change password

update profile

logout

5.ACTIVITY DIAGRAM

6.COMPONENT DIAGRAM

7.DEPLOYMENT DIAGEAM