Capstone Project
Taxi Booking application

IIHT

1 ROAD MAP

Application will be developed in following

1. ReactJs as frontend technology
2. Spring rest backend technology
3. Spring Data JPA
4. Swagger
5. Mockito, Junit for all the layers
6. Jacoco for code coverage
7. Java 8 features
8. Exception Handling, Validation and Logs
9. Push code to git

2 PROBLEM STATEMENT

To Create an Application for Online Taxi Booking

Customer should be able to view the list of available cabs.

Customer should be able to book cab for desired location from a certain location.

Admin should be able to perform below operations:

- admin can login to the system using the credentials provided by the programmer -

  admin can view the signup requests from the diver and approve or reject.
- admin can add/update/delete/view the cabs
- admin can add/update/delete/view the driver
- admin can view and cancel the bookings - admin can add/update/delete/view the customer

Customer should be able to perform below operations:

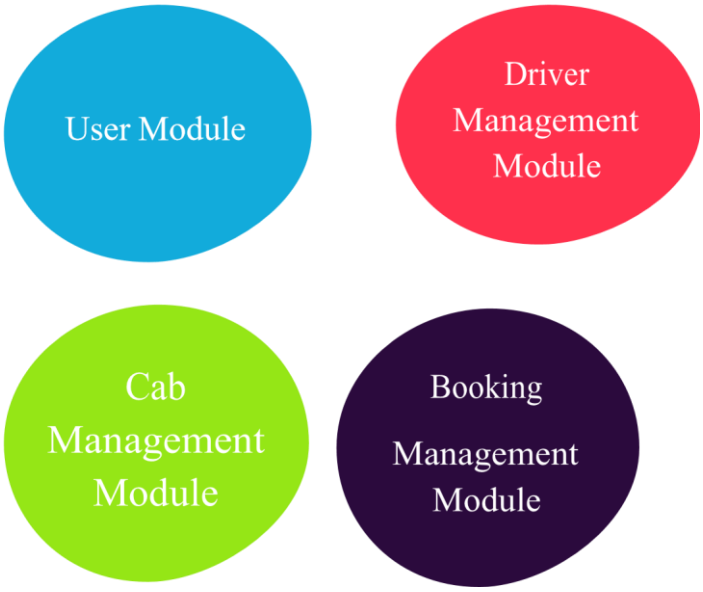
- Customer can signup
- Customer can login
- Customer can update their profile
- Customer can view all the available cabs
- Customer can book and cancel the booking - Customer can view the booking history.

Customer should be able to perform below operations:

- Driver can signup and wait for the approval from the admin
- Driver can login

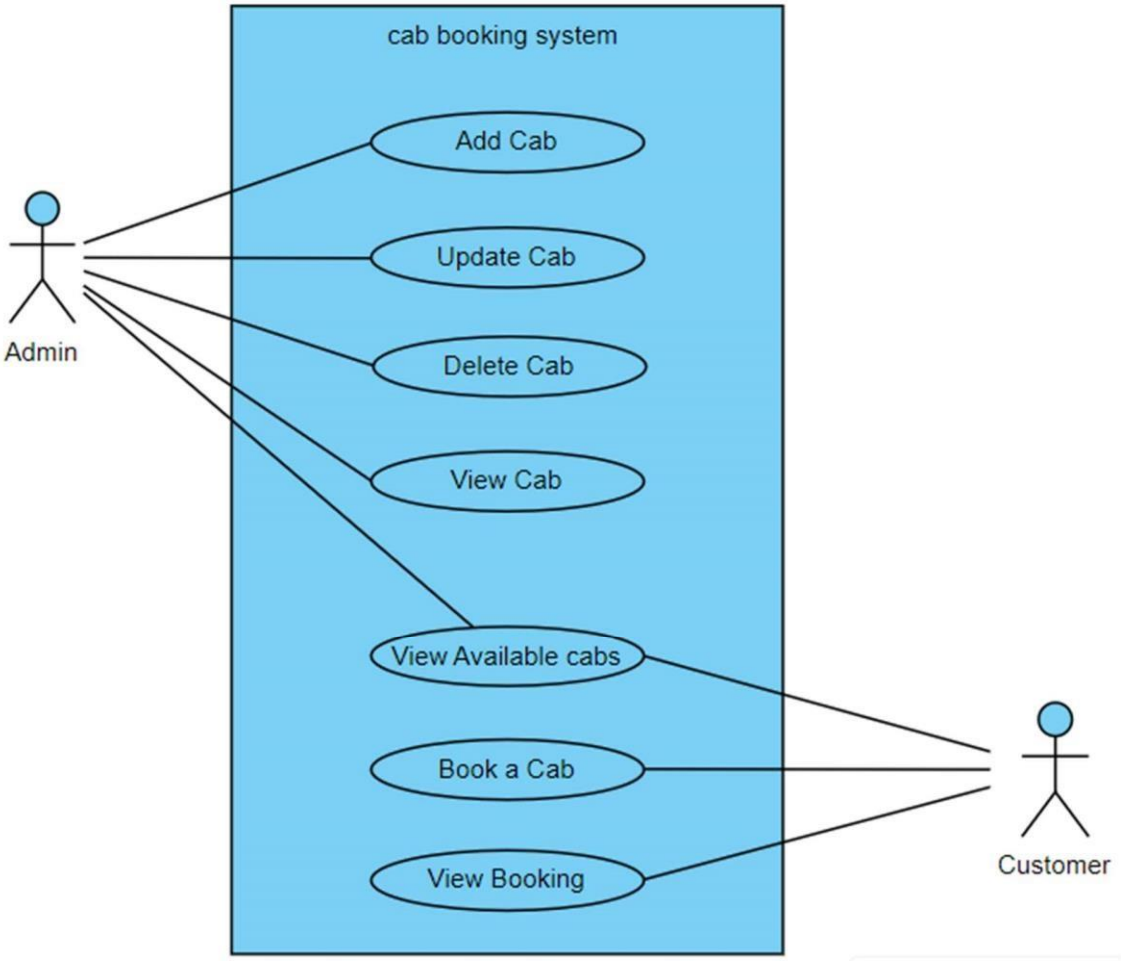
- Driver can view the booking details
- Driver can view the booking history

3 MODULES



4 USE CASE DIAGRAM

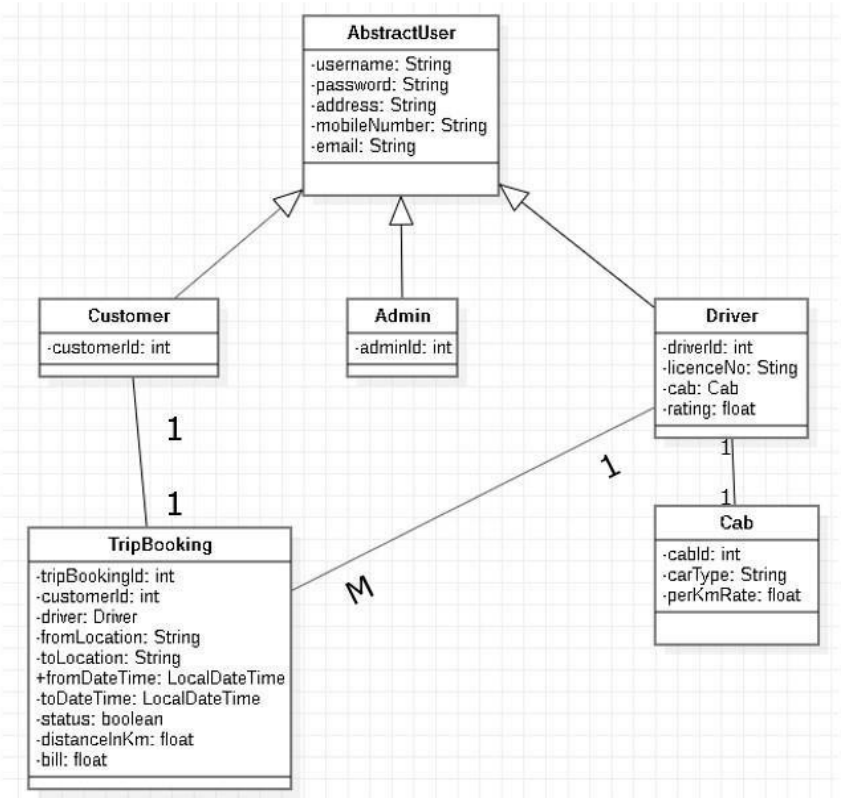
Participants have to create use case diagram based on problem statement For your reference sample use case is added.



5 CLASS DIAGRAM

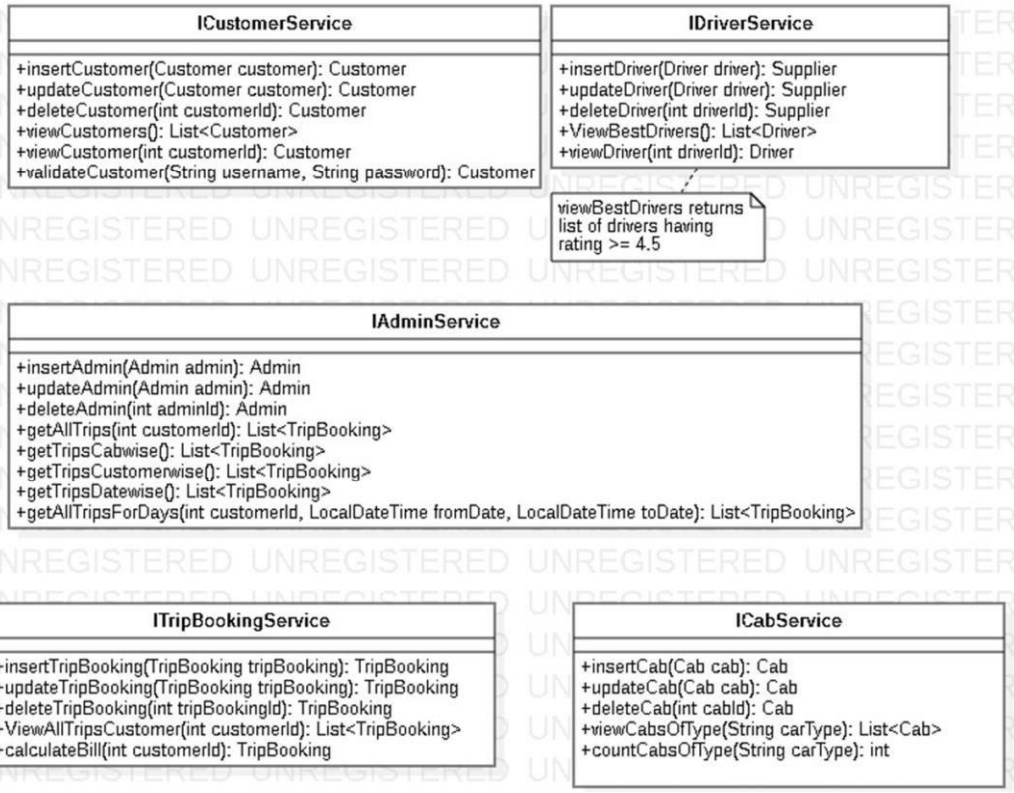
Class Design

POJO Classes:



Class Design

Service Interface:



6 PROJECT DELIVERABLES

1. User stories based on the problem statement.
2. Use case Diagrams
3. Source code
4. Junit Testcases

Note:

You can feel free to add new features and create or update design diagrams if it is required.