Capstone Project
Apartment Rental System

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 a system for Managing the Rental System for the

Apartment.

The System **Admin** should be able to perform below operations: There are limited admins and their credentials are entered in the backend by the programmer. No signup allowed for the admins.

- Login to the system using the admin credentials
- View the signup requests by the owners and tenents
- Approve or reject the signup requests by the owners and tenents
- view, add and delete flats (Usually the owners add or delete the flats, the admins are provided the access to the same to maintain the accuracy of the data)
- view, add, block and delete tenants
- view and cancel bookings - view, block and delete landlords

An apartment **Owner** should be able to perform below operations:

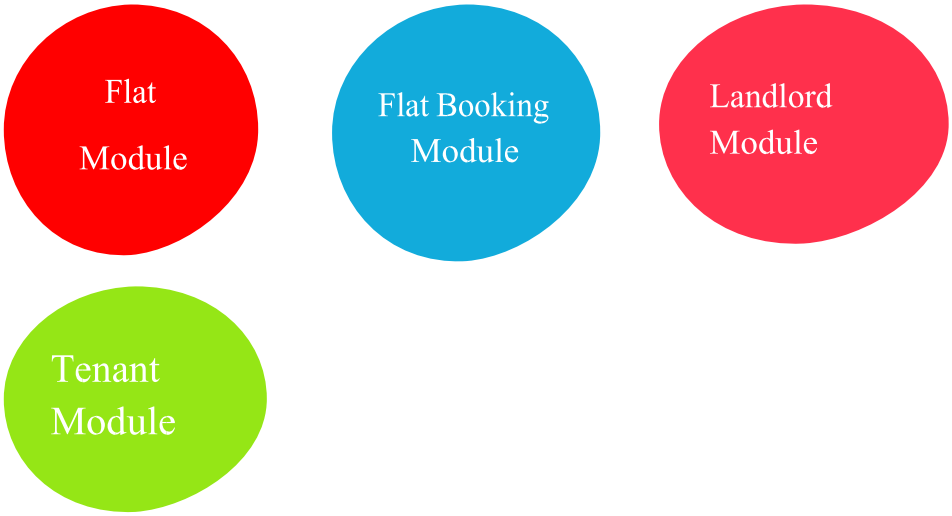
- signup as Owner (Admins can approve or reject the signup request by the owners)
- Login as owner
- Add and delete flats
- Accept and deny the bookings

- View tenant details

Tenant should be able to perform below operations:

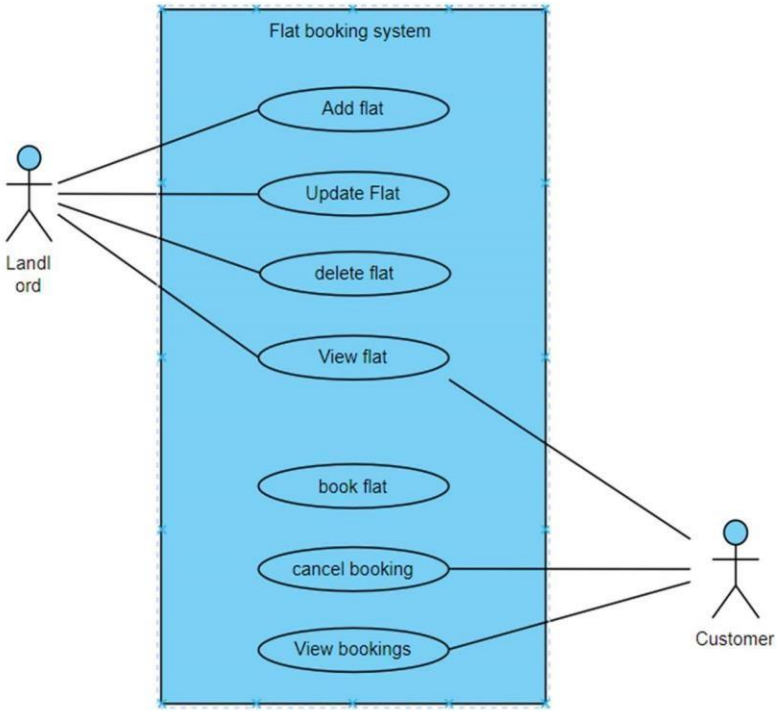
- Signup as Tenent (Admins can approve or reject he signup request by the tenents)
- Login as tenent
- View all available flats (Shows all flats with status)
- Request for booking a flat - View booking status

3 MODULES



4 USE CASE DIAGRAM

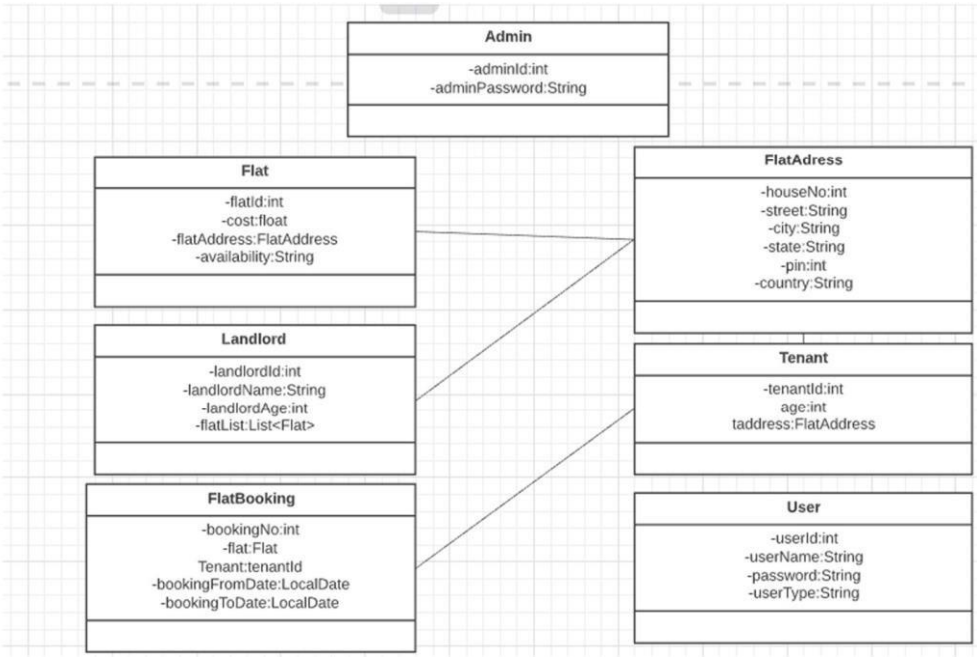
Participants have to create use case diagram based on problem statement



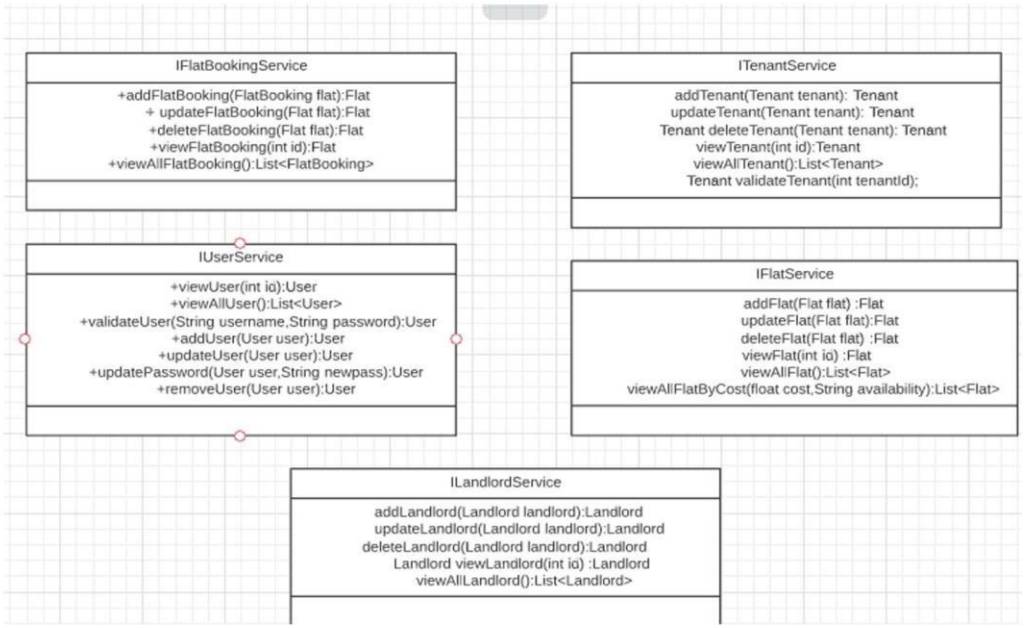
5 CLASS DIAGRAM

Class Design

POJO Classes:



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 features and create or update design diagrams if it is required.