**Cab Booking System**

**Project Scope:**

To create an online cab booking system like Uber where users can book a cab for their destination. The application can be made either as Web Application, Mobile Application or Desktop Application. There are 2 entities User and Cab driver.

**Required Features:**

* User and cab driver should be able to login into the app.
* User should be able to enter source and destination.
* User should be able to choose Car size and model.
* Predicated fare should be calculated and displayed to the user.
* Once booked, a message should be send to the cab driver.
* User should be able to see cab driver information and cab details.
* Cab driver should be able to accept and reject the request.
* User should be able to cancel the ride.
* Once the journey is complete (simulate it randomly), show the final fare.
* Record all the history of rides of customer.
* Use multithreading during booking cab.
* Create a good UI for good user experience.
* Plan a good architecture pattern for the project.
* Provide security for project.

**Suggested Stack:**

1. **JAVA Track:**

* Java 8
* Angular 6+
* Maven
* Spring Boot 2.x
* SpringREST
* Spring Data JPA
* Postman
* Oracle/Postgres
* JUnit 5/Mockito
* Sonarqube
* JACOCO

1. **.NET Track**

* C#
* Asp.net
* EntityFramework
* Angular 6+
* MSBuild, MSTest/NUnit
* SQL/MySQL/Oracle/Postgres