Description

**Objectives**

Build an application to handle bookings and passenger profile data for a travel company using microservices and API frameworks

**Prerequisites**

• JUnit

• Spring

• Spring Boot

• Web Services

• Microservices

**Problem Statement:** This assignment is designed to help you understand how to plan and develop the back end for a given problem, gain hands-on experience in designing the microservice architecture for the project, and perform unit testing for the code.

**Real-World Scenario:** George owns a travel company where he books cabs for his customers. To manage these bookings, he needs travel management software. He meets Kia, who runs a Software Solution Company and tells her the requirement. Kia aims to develop the project using Spring and the Spring Boot Framework. She must create microservices to provide a solution using a REST architecture and perform unit testing for various web methods

Roles 👍

Admin

User

=> Admin

1. He can maintain the cab details and location and the cost details ->view edit delete
2. He also maintains the user profiles  ->view edit delete

Ex:

Source : ABC

Destination : XYZ

Type: Sedan,Ertiga..

No of kms: 4kms

Costofthetravel- 600

Ex: source - Abc

Destination - xyz

Type: sedan

No of kms:4 kms

Cost- 600 rs

Once the User

registers and

login

–screen to book the cab

Source : drop down ABC

Destination : drop down xyz

Type : sedan

book—-------------------> redirected to a page which shows the cost and asks for a msg “shall i book ”

Ex: display -> source destination type -> cost -> OK

Show the booking info as a view in a table with a date and time

Identify the modules

1. Login
2. Registration
3. Booking
4. fair

1. Identify the pojos
2. Define the service methods
3. Test the service layer with the junit -> if it is working
4. Test it with the postman introducing he rest controller -> if it is working
5. Develop the Ui pages
6. Upgrade the project with the Controller .

* Architecture - microservice
* Ex: back end operation on booking need to be separate project

Task 👍

Identify the modules

In each module what are the pojos and what are the services of crud operations