Class: **BSE-6B**

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Lab Instructor: **Engr. Muhammad Rehan Baig**

Student's Name: _____   Reg. No: _____

Note: Probability of similarity is 0% copied and similar solutions will be marked as zero.

Scenario

LetCommute **is a startup that aims to simplify commuting and carpooling nowadays when fuel prices are on sky by providing solutions for tracking and managing transportation.** *LetCommute* **is launching a mobile application. As a software engineer working at** *LetCommute***, you are responsible for designing and implementing the following requirements and pages:**

- o **Login/Signup page –** Allow User to Register/Authenticate from this page. User can either registered as vehicle owner or simple user that can book vehicle.

- o **Carpooling / Trip Planning page-** Offer users tools to select vehicle, plan their trips, including estimated travel times, fare prices, and transportation options, and save their favorite routes for future use.

- o **Earn while travel page-** Allow users to make their transport available for other Users that are taking the same route as the owner is about to take. So he can earn extra money while commuting to workspace or they can share the fare or fuel prices.

- o **Transportation tracking page -** Allow users to track their transportation routes, including bus, train, and carpool options, and receive real-time updates on delays, cancellations, and other alerts.

- o **Cost-saving features page -** Provide users with cost-saving features such as fare comparison, carpool matching, and transit pass purchases.

- o **Integration with third-party systems -** Allow the mobile application to integrate with local transportation systems and providers like Careem and bykea etc, and synchronize transportation data.

This mobile application aims to solve the daily problem of commuting, By providing a solution for tracking transportation, planning trips, and saving money on commuting, users can save time and reduce stress

Every point is important. Read the given scenario carefully to perform this Open-Ended Lab.