Vehicle Registration/De-registration Assignment

Problem Statement

As a developer for a vehicle registration/de-registration management application, you are tasked with creating a web app to provide admins with an overview of the vehicle registered or de-registered. The admins have provided you with some requirements and additional features that are nice to have.

Project Parameters

Tools

The project must be completed in JavaScript/TypeScript. You may use any npm packages to create this project. You are free to complete your project in any preferred tech stack.

Duration

The project must be submitted within two weeks from the date you received this email.

Submission

Upload your code in a private git repository. You may be invited to demonstrate the application you have built and participate in a paired programming exercise to make changes to the application.

Requirements

Some requirements given by the admins are as follows:

1. Admins must be able to view the vehicles in calendar period format or list view format. Minimally, the Admin should be able to view all the vehicles in a monthly view and a list view format.

2. Admins must be able to view all statuses of vehicles (Registered, Deregistered) on the

views.

3. Vehicles on the list view or calendar view should be visually different based on the statuses of the vehicles.

4. Admins must be able to filter through all the vehicles based on their status and

vehicle type.

5. Admins must be able to click on the vehicle to view more details about it.

Bonus Requirements

The admins have also requested bonus features if time permits:

1. Provide admin with multiple ways to view vehicles (e.g, list view/table view).

2. Allow admins to toggle between monthly, yearly and list views.

3. Make your application mobile responsive.

4. Filter bookings based on commercial / personal vehicles

5. Beautify your UI.

6. Deploy your application to the cloud or any publicly accessible hosting service.

Files

We provide you with 4 CSV files, which contain lists of vehicle data. The contents of these

files are as follows:

1. **personal.csv** registered vehicles for personal vehicles

2. **deregpersonal.csv** de-registered vehicles for personal vehicles

3. **commercial.csv** registered vehicles for commercial vehicles

4. **deregcommercial.csv** de-registered vehicles for commercial vehicles