

## TASK-2

### 1. Car Service:

- Responsible for managing Lyft rental cars and their attributes, including car model, engine type, battery type, and service status.
- Provides methods to get information about the car, such as car model, engine type, and battery type.
- Utilizes Engine and Battery services to fetch engine and battery details.

### 2. Engine Service:

- Manages the various engine types available in the Lyft fleet.
- Provides methods to get information about an engine type and its service criteria.

### 3. Battery Service:

- Manages the different battery types used in the Lyft rental cars.
- Provides methods to get information about a battery type and its service criteria.

### 4. Database (optional):

- Stores information about Lyft rental cars, their engine types, and battery types.
- Allows the Car, Engine, and Battery services to retrieve data efficiently.

### 5. Service Criteria Evaluation:

- Responsible for determining when a Lyft rental car should be serviced based on the car's engine and battery type.
- Utilizes the Engine and Battery services to fetch the specific service criteria for each engine and battery type.
- Evaluates the service criteria to determine if a car requires service.

## SOFTWARE ARCHITECTURE :

