**User and Vehicle Data Management Microservices**

**Requirements:**

To develop User Profile (Microservices 1) that need to store user data and vehicle information in a MySQL database while Vehicle Discovery (Microservice 2) will provide access to vehicle information stored in a MongoDB database. Microservice 1 exposes restful API’s for crud operation on users and vehicles, while Microservice 2 exposes API for accessing vehicle information.

**Data Specified:**

**User Profile:**

**User Entity**: Name(String), Mobile Number(String)

**Vehicle Entity**: Vehicle No(String),Model(String), Make(String), Year of Manufacturing(Int), Color(String), Fuel Type(String)

**Vehicle Discovery:**

**Vehicle Entity**: Mobile Number(String), Vehicle No(String),Model(String), Make(String), Year of Manufacturing(Int), Color(String), Fuel Type(String)

**Solution:**

Two microservices are developed for “User and Vehicle Data Management Microservices”. The first microservice focuses on user and vehicle data management, storing user and vehicle details in a MySQL database. It provides endpoints for creating users and vehicle data for retrieving their information. The second microservice deals with vehicle management. It retrieves vehicle information from the first microservice based on user mobile numbers and stores data in a MongoDB database.

**Tools needed:**

Spring Tool Suite 4, MySQL Workbench, MongoDB Compass, Postman