Mitchell International Software Development Engineering Internship Coding Challenge

VEHICLE APPLICATION

GitHub : https://github.com/Keerti995/VehicleICRUDApplication

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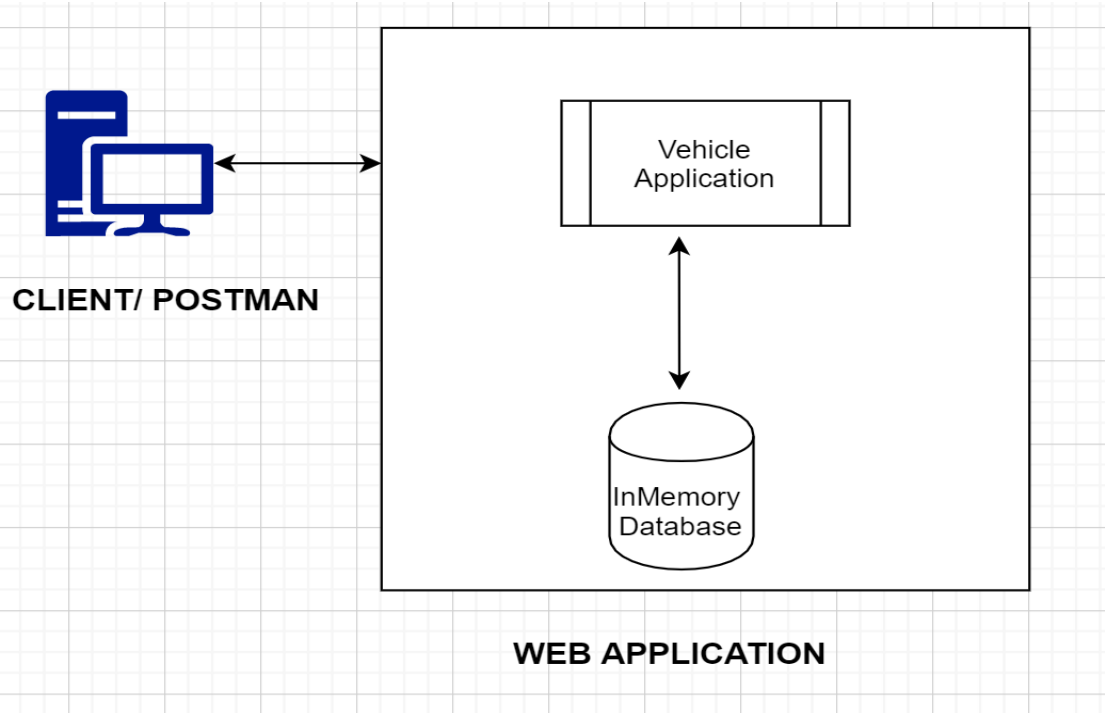
Web Architecture



Module Description:

Vehicle Application: Built various CRUD operations using Spring Boot Framework.

H2 Database: This is open source, relational database system written in java and embedded into the Vehicle Application using Spring boot.

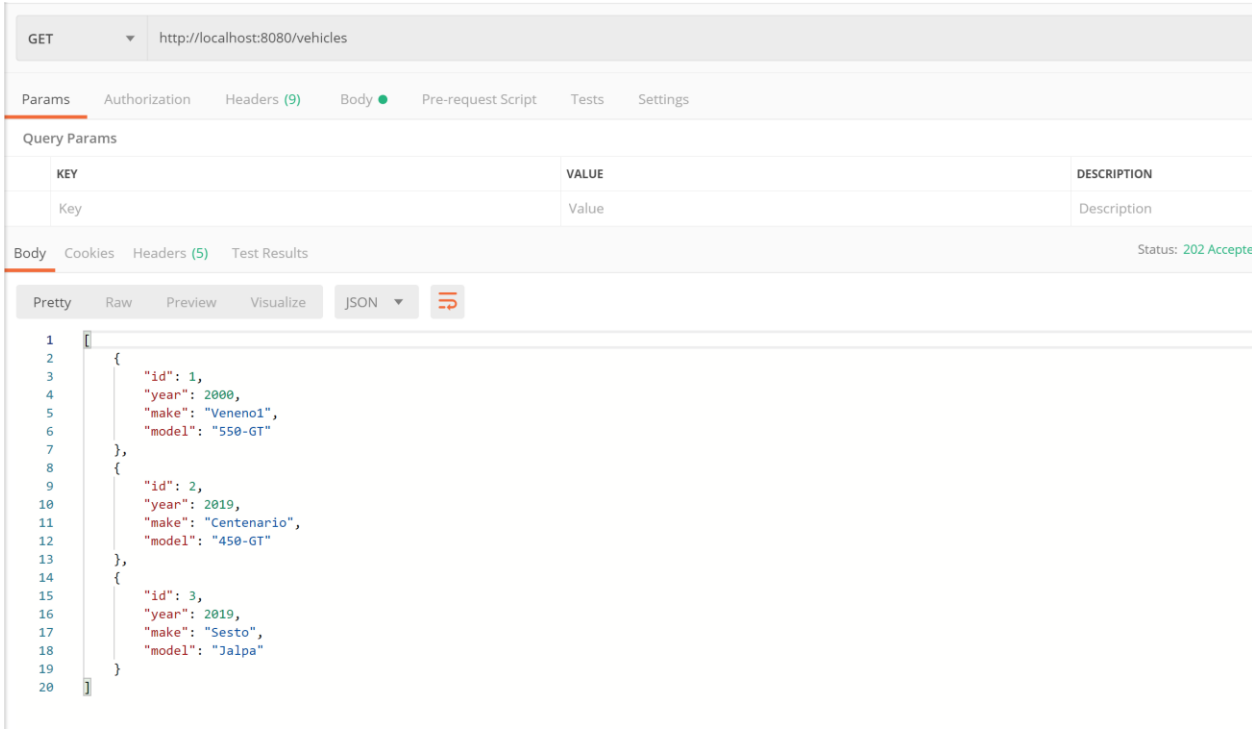
Client/ Postman: One can use the APIs mentioned and call the application functionalities.

Vehicle Object:

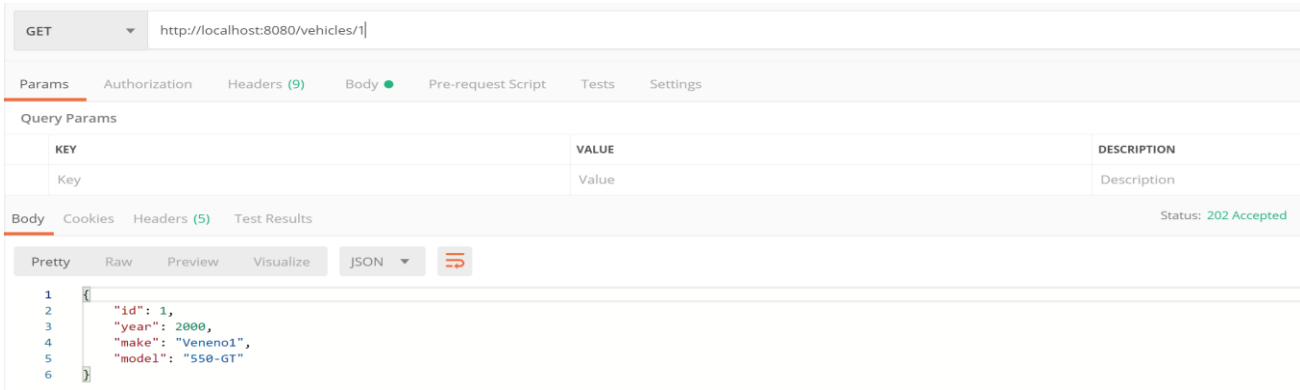
```
public class Vehicle
{
    public int Id { get; set; }
    public int Year { get; set; }
    public string Make { get; set; }
    public string Model { get; set; }
}
```

Service available to the end users:

1. **GET vehicles**
    a. **API:** http://localhost:8080/vehicles

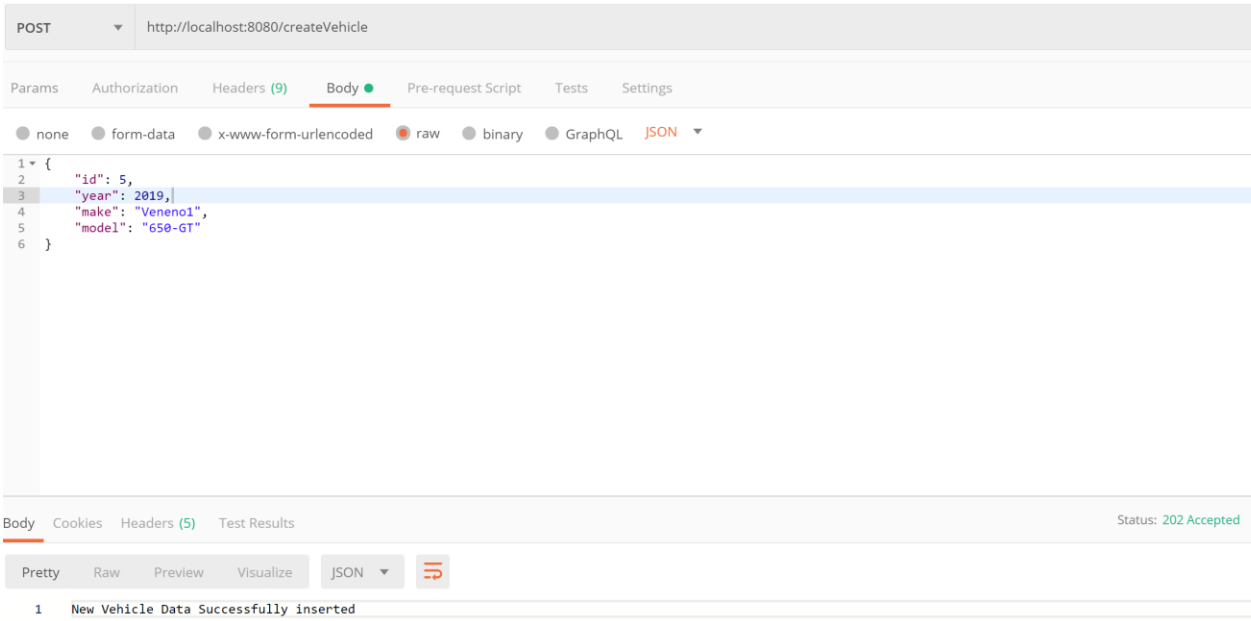


2. **GET vehicles/{id}**
    a. **API:** http://localhost:8080/vehicles/1



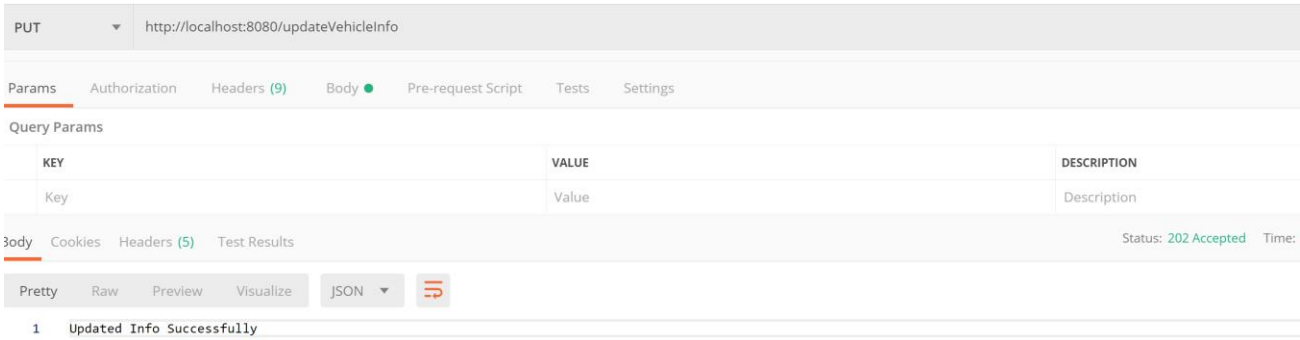
3. **CREATE vehicles**
    a. **API:** http://localhost:8080/createVehicle
    b. In the body :

```
{
   "id": 6,
   "year": 2019,
   "make": "",
   "model": "650-GT"
}
```

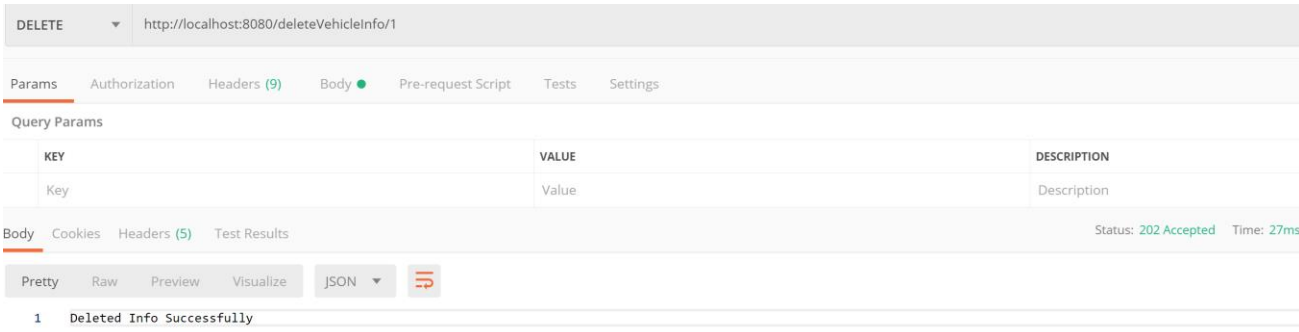


4. **UPDATE vehicles**
    a. **API:** http://localhost:8080/updateVehicleInfo
    In body :

```
{
   "id": 1,
   "year": 2017,
   "make": "Veneno1",
   "model": "550-GT"
}
```



5. **DELETE vehicles/{id}**
    a. **API:** http://localhost:8080/deleteVehicleInfo/1



Execution Instruction:

Option 1] Run the jar file using the following command **(JDK 1.8 is required)**

>java -jar VehicleApplication-0.0.1-SNAPSHOT.jar MitchellChallenge.VehicleApplication.VehicleApplication

Then run the APIs mentioned in the postman application to see the outputs.

Option 2]

Getting Started

The following instructions will help you in setting up the project on your local machine.

* Download and extract the source code.

* Open the application.properties file linked in this project repository

* Update the properties with database name, username and password.

* The following link helps you to check the database.

http://localhost:8080/h2/login.jsp?jsessionid=756c6784b23d5175e8db03bd63fb1440

* Enter the newly set password and username and connect to the database.

Run the Application.java file

From the postman: enter the given APIs and execute them to see the output