Parking Toll Rest api

Parking toll application is a Spring Boot Rest application. The project can be launched like a simple Java application from any IDE like Eclipse/InteliJ or with command line.

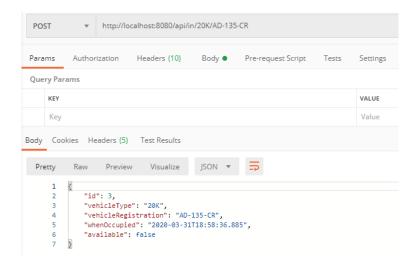
Once the application launched, we can start requesting it. Two main operations are supported:

1. Add Vehicle:

o Request

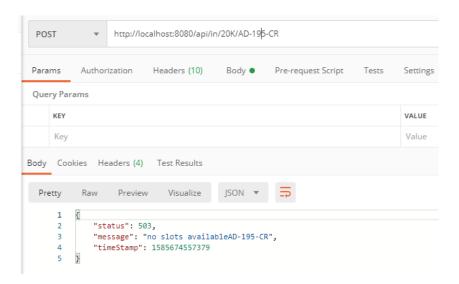


- o Parameters:
 - vehicleType: e.g. GAS/20K/50KvehicleRegistration: e.g. AB-00-CD
- 1.1 Adding Vehicle Success



If the Vehicle is added successfully, the associated Slot will be returned as json response

1.2 Adding Vehicle, No available slots



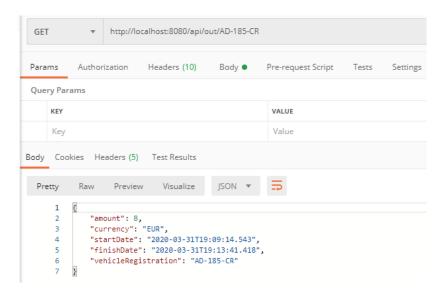
2. Remove Vehicle:

Request



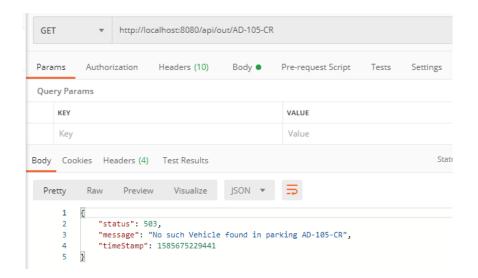
- Parameters:
 - vehicleRegistration: e.g. AB-00-CD

2.1 Remove Vehicle Success



If the Vehicle is removed successfully, a bill will be issued and retuned as Json response

2.2 Remove Vehicle Registration Number not valid



3. Data base:

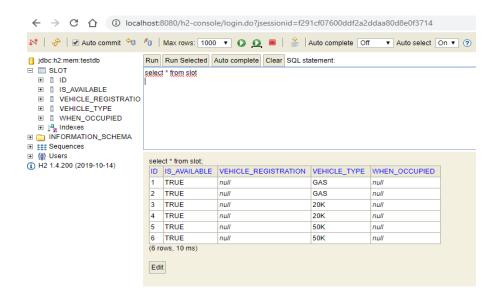
For The demo a H2 Data base is used. This will avoid any DB setup from user. By default, the DB is initialized with following data: 2 Slots of GAS, 2 Slots for 20K and 2 Slots for 50K.

When launching the application, we can visualise the DB console from:

http://localhost:8080/h2-console

English	▼ Preferences Tools Help
Login	
Saved Settings:	Generic H2 (Embedded) ▼
Setting Name:	Generic H2 (Embedded) Save Remove
Driver Class:	org.h2.Driver
JDBC URL:	jdbc:h2:mem:testdb
User Name:	sa
Password:	
	Connect Test Connection

We can then launch a select * to visualise the content: SELECT * FROM SLOT



4. Swagger Documentation

Once the application is started swagger documentation could be reached at :

http://localhost:8080/swagger-ui.html

