

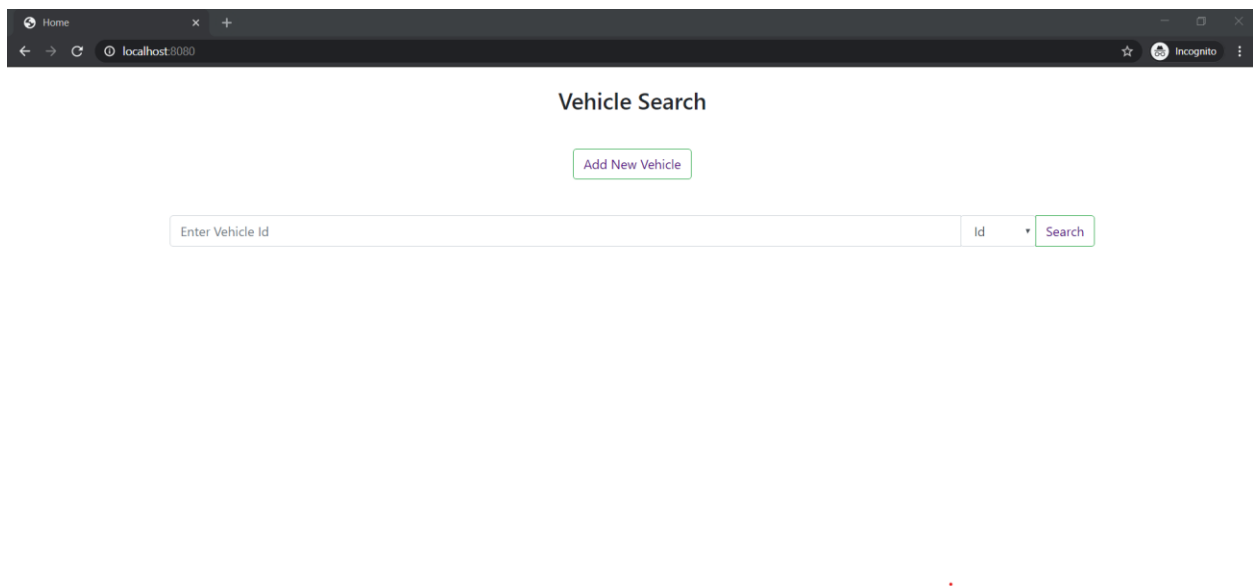
Mitchell International
Software Development Intern Coding Problem
Report

Submitted By
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Application walk through:

I used Eclipse IDE to build the project, will show below the features of application and how to access each feature.

- 1) Run Application in eclipse as Spring Boot App
- 2) Once the application is started, Open a browser and hit <http://localhost:8080/> to enter home page(screenshot show below).



- 3) Once home page is loaded, we can search for vehicle based on Id, Make, Mode or Year by changing filter next to search bar.
- 4) Searching with 'null' will give result of all the vehicles stored in database. (Screenshot related 3 and 4 show below)

Vehicle Search

Add New Vehicle

120

Id

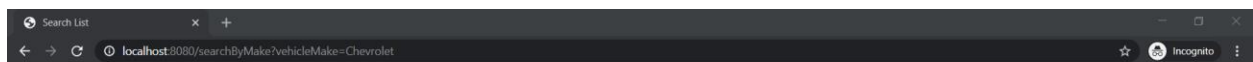
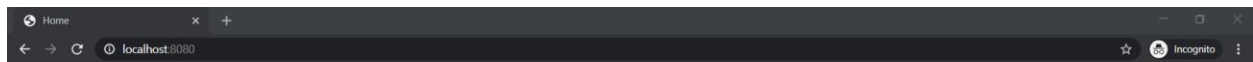
Search

Vehicle Search

Add New Vehicle

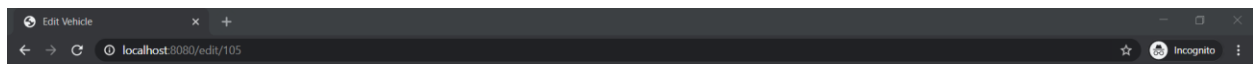
Home Page

Id	Make	Model	Year	Actions
120	Fillmore	Fillmore	1960	Edit Delete



Id	Make	Model	Year	Actions
105	Chevrolet	Corvette	1953	Edit Delete
106	Chevrolet	Corvette	1954	Edit Delete
108	Chevrolet	Corvette	1955	Edit Delete
110	Chevrolet	Corvette	1956	Edit Delete
111	Chevrolet	Corvette	1957	Edit Delete
113	Chevrolet	Corvette	1958	Edit Delete
116	Chevrolet	Corvette	1959	Edit Delete
118	Chevrolet	Corvair	1960	Edit Delete
119	Chevrolet	Corvette	1960	Edit Delete

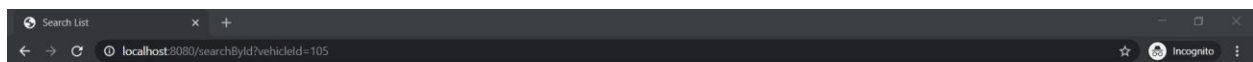
5) Using Edit and Delete options in actions column will help us in editing/deleting an Vehicle. (Screenshot shown below)



Edit Vehicle

[Add New Vehicle](#)[Home Page](#)

Vehicle Id	<input type="text" value="105"/>
Vehicle Make	<input type="text" value="Chevrolet"/>
Vehicle Model	<input type="text" value="Corvetteupdate"/>
Year	<input type="text" value="1953"/>
<input type="button" value="Save"/>	

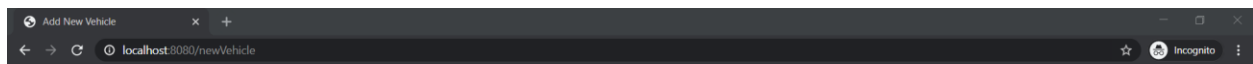


Vehicle Search

[Add New Vehicle](#)[Home Page](#)

Id	Make	Model	Year	Actions
105	Chevrolet	Corvetteupdate	1953	Edit Delete

- 6) Using Add New vehicle on top of each page one will be able add vehicles to database. (Conditions like not null and year \geq 1950 and \leq 2050 are implemented).



Create New Vehicle

[Home Page](#)

Vehicle Id	<input type="text" value="125"/>
Vehicle Make	<input type="text" value="Kia"/>
Vehicle Model	<input type="text" value="Seltos"/>
Year	<input type="text" value="2018"/>
<input type="button" value="Save"/>	



Vehicle Search

[Add New Vehicle](#)

[Home Page](#)

Id	Make	Model	Year	Actions
125	Kia	Seltos	2018	Edit Delete

7) Also implemented automated unit testing Junit, above demo can be served as API testing.

Technologies Used:

Spring Boot

Data JPA

H2 Database

Eclipse IDE

Thymeleaf

jQuery

Junit