

Objective:

To retrieve information related to the fleet of cars via a web service API.

Languages and Tools

- Java Development Kit (JDK) version 8
- Spring Boot
- Maven
- MySQL Workbench
- Spring Tool Suite 3
- HTML, JQuery, Datatable
- Azure App service & Azure Database for MySQL (to build and deploy a web service using DevOps and CI/CD principles)
- Postman

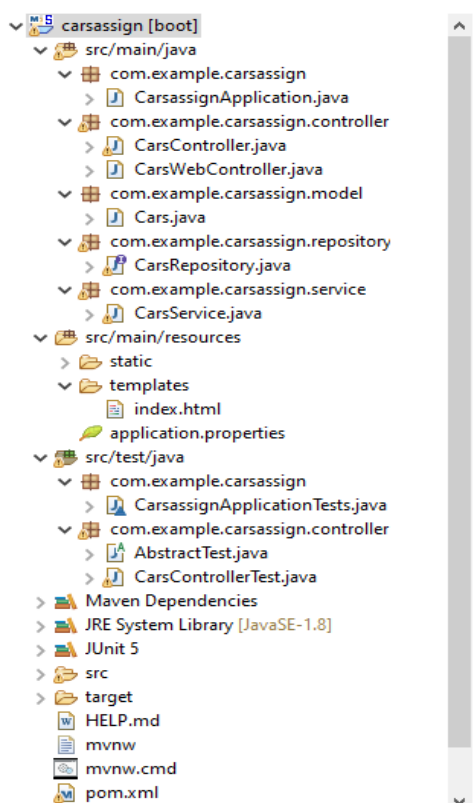
Why Spring Boot?

Reduced development time and source code. Ease of dependency management without a need to look for compatible drivers and libraries and no complex configuration required.

Why MySQL?

Free, open source and flexible for optimized performance.

Project Structure



1. The **application.properties** file contains the properties to configure the application.
2. **pom.xml** file contains all the dependencies that are added while creating the application

CarsassignApplication.java – Entry point of the application to launch

```

1 package com.example.carsassign;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6
7
8
9 public class CarsassignApplication {
10
11     public static void main(String[] args) {
12         SpringApplication.run(CarsassignApplication.class, args);
13     }
14 }
15
16

```

@SpringBootApplication – includes annotations such as *@EnableAutoConfiguration*, *@Configuration* and *@ComponentScan* that will enable the auto-configuration, instantiation feature and scan the packages for relevant components.

Model Class – Cars.java

```

1 package com.example.carsassign.model;
2
3 import javax.persistence.Column;
4
5 @Entity
6 @Table(name = "cars")
7 public class Cars {
8
9     @Id
10    @GeneratedValue(strategy = GenerationType.IDENTITY)
11    @Column(name="Id")
12    private Long id;
13
14    @Column(name="Name")
15    private String carName;
16
17    @Column(name="Miles_per_Gallon")
18    private String milesperGallon;
19
20    @Column(name="Cylinders")
21    private String cylinders;
22
23    @Column(name="Displacement")
24    private String displacement;
25
26    @Column(name="Horsepower")
27    private String horsePwr;
28
29    @Column(name="Weight_in_lbs")
30    private String wgtInlbs;
31
32    @Column(name="Acceleration")
33    private String acceleration;
34
35    @Column(name="Year")
36    private String year;
37
38    @Column(name="Origin")
39    private String origin;
40 }
41
42
43
44

```

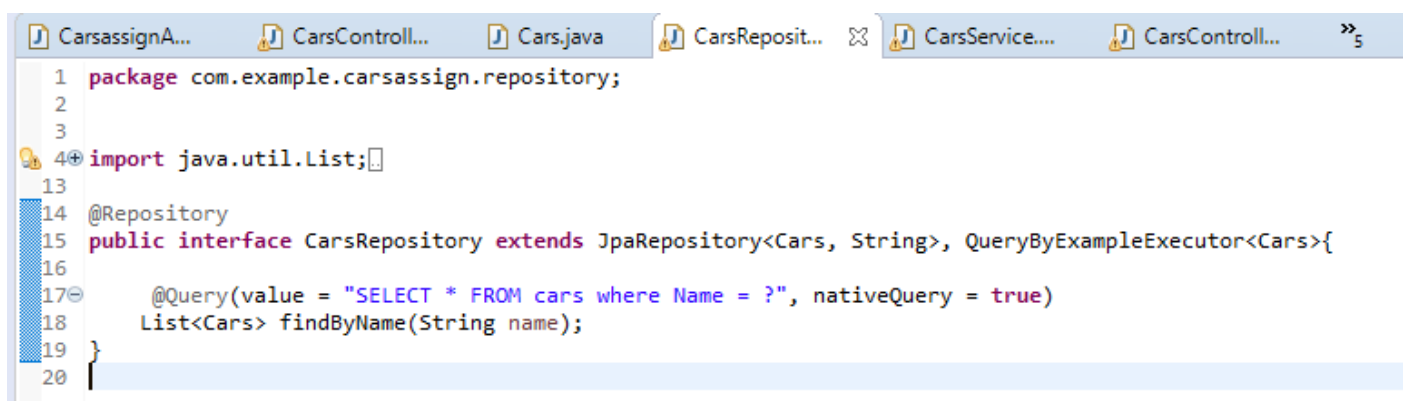
@Entity annotation specifies the mapped database table.

@Table name of the table, which has been mapped.

@Column the name of the field in the database table.

@Id the primary key field in the table

Repository class - CarsRepository.java



```

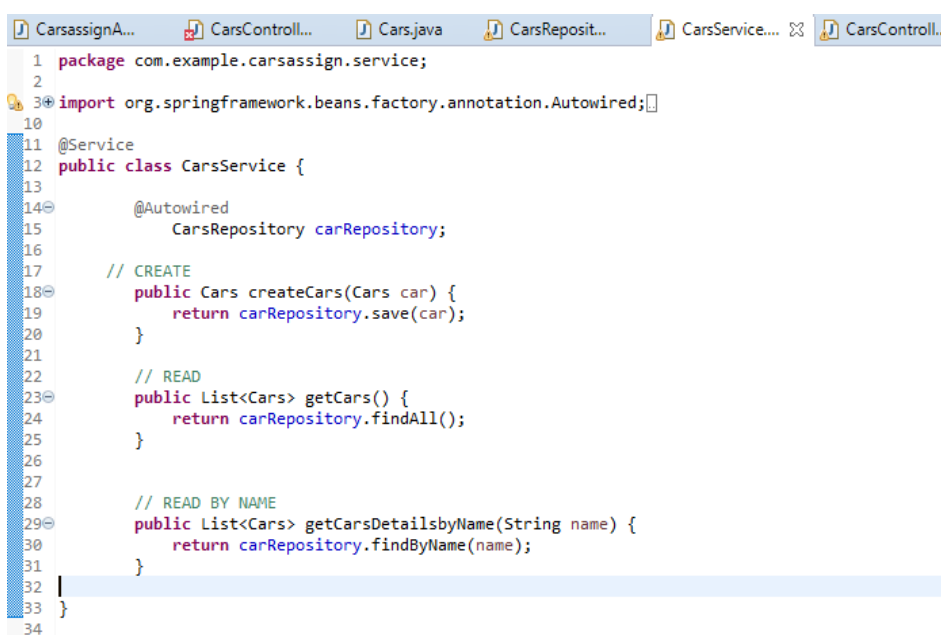
1 package com.example.carsassign.repository;
2
3
4 import java.util.List;
5
13
14 @Repository
15 public interface CarsRepository extends JpaRepository<Cars, String>, QueryByExampleExecutor<Cars>{
16
17     @Query(value = "SELECT * FROM cars where Name = ?", nativeQuery = true)
18     List<Cars> findByName(String name);
19 }
20

```

@Repository - Indicates that the class is a data repository that will contain storage, retrieval, and search mechanisms.

The **JpaRepository** interface provided by Spring Data JPA makes it possible for the repository class to store, retrieve records in the cars table.

Service class - CarsService.java



```

1 package com.example.carsassign.service;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
10
11 @Service
12 public class CarsService {
13
14     @Autowired
15     CarsRepository carRepository;
16
17     // CREATE
18     public Cars createCars(Cars car) {
19         return carRepository.save(car);
20     }
21
22     // READ
23     public List<Cars> getCars() {
24         return carRepository.findAll();
25     }
26
27     // READ BY NAME
28     public List<Cars> getCarsDetailsbyName(String name) {
29         return carRepository.findByName(name);
30     }
31 }
32
33 }
34

```

@Autowired annotation for instantiating a class object.

Controller class - CarsController.java

```

1  package com.example.carsassign.controller;
2
3
4  import java.util.List;
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19  @RestController
20  @RequestMapping("/api")
21  public class CarsController {
22      @Autowired
23      CarsService carService;
24
25      @RequestMapping(value="/cars", method=RequestMethod.POST)
26      public Cars createCars(@RequestBody Cars car) {
27          return carService.createCars(car);
28      }
29
30      @RequestMapping(value="/cars", method=RequestMethod.GET)
31      public List<Cars> readCars() {
32          return carService.getCars();
33      }
34
35      @RequestMapping(value="/cars/{carName}", method=RequestMethod.GET)
36      public List<Cars> readCarsByName(@PathVariable(value = "carName") String name) {
37          return carService.getCarsDetailsByName(name);
38      }
39
40
41
42  }
43

```

@RequestMapping annotation on the class defines a base URL for the APIs created in this controller.

@RestController consists of:

@Controller - informs Spring Boot that this class is a controller.

@ResponseBody - indicates that data returned by each method inside the controller will be returned as the response body for the API.

Decisions taken

To implement the dataTable for the better customer experience.

src/main/resource package - contains html + jquery datatable where the jquery data table will be integrated with server side pagination in spring boot application. Data table's input is directly integrated to spring boot rest APIs.

Local Application Build

```
Spring Explorer Problems Console Progress
CarsassignApplication [Java Application] C:\Program Files\Java\jre1.8.0_321\bin\javaw.exe (22-Jul-2022, 1:51:36 pm)

:: Spring Boot :: (v2.7.1)

2022-07-22 13:51:37.815 INFO 22996 --- [main] c.e.carsassign.CarsassignApplication : Starting CarsassignApplication using Java 1.8.0_321 on LAPTOP-18SRAMK
2022-07-22 13:51:37.820 INFO 22996 --- [main] c.e.carsassign.CarsassignApplication : No active profile set, falling back to 1 default profile: "default"
2022-07-22 13:51:38.778 INFO 22996 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-07-22 13:51:38.855 INFO 22996 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 62 ms. Found 1 JPA repository
2022-07-22 13:51:40.363 INFO 22996 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-07-22 13:51:40.379 INFO 22996 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2022-07-22 13:51:40.379 INFO 22996 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.64]
2022-07-22 13:51:40.610 INFO 22996 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2022-07-22 13:51:40.610 INFO 22996 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2661 ms
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manu
2022-07-22 13:51:40.881 INFO 22996 --- [main] o.hibernate.jpa.internal.util.LogHelper : HH000204: Processing PersistenceUnitInfo [name: default]
2022-07-22 13:51:40.969 INFO 22996 --- [main] org.hibernate.Version : HH000412: Hibernate ORM core version 5.6.9.Final
2022-07-22 13:51:41.330 INFO 22996 --- [main] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.2.Final}
2022-07-22 13:51:41.499 INFO 22996 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2022-07-22 13:51:41.508 WARN 22996 --- [main] com.zaxxer.hikari.util.DriverDataSource : Registered driver with driverClassName=com.mysql.jdbc.Driver was not
2022-07-22 13:51:42.362 INFO 22996 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2022-07-22 13:51:42.392 INFO 22996 --- [main] org.hibernate.dialect.Dialect : HH000400: Using dialect: org.hibernate.dialect.MySQL57Dialect
2022-07-22 13:51:43.466 INFO 22996 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HH000490: Using JtaPlatform implementation: [org.hibernate.engine.tr
2022-07-22 13:51:43.484 INFO 22996 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2022-07-22 13:51:44.012 WARN 22996 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database qu
2022-07-22 13:51:44.208 INFO 22996 --- [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page template: index
2022-07-22 13:51:44.370 WARN 22996 --- [main] org.thymeleaf.templatemode.TemplateMode : [THYMELEAF][main] Template Mode 'LEGACYHTMLS' is deprecated. Using Te
2022-07-22 13:51:44.675 INFO 22996 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-07-22 13:51:44.688 INFO 22996 --- [main] c.e.carsassign.CarsassignApplication : Started CarsassignApplication in 7.334 seconds (JVM running for 7.79)
```

Car Details

Show 10 entries

Search:

Id	Car Name	Miles Per Gallon	Cylinders	Displacement	Horsepower	Weight in lbs	Acceleration	Year	Origin
1	chevrolet malibu	20	6	200	95	3155	18.2	1978-01-01	USA
2	renault 12 (sw)	26	4	96	69	2189	18.0	1972-01-01	Europe
3	chevrolet chevelle malibu	18	8	307	130	3504	12.0	1970-01-01	USA
4	ford pinto (sw)	22	4	122	86	2395	16.0	1972-01-01	USA
5	datsum 510 (sw)	28	4	97	92	2288	17.0	1972-01-01	Japan
6	toyouta corona mark ii (sw)	23	4	120	97	2506	14.5	1972-01-01	Japan
7	dodge colt (sw)	28	4	98	80	2164	15.0	1972-01-01	USA
8	toyota corolla 1600 (sw)	27	4	97	88	2100	16.5	1972-01-01	Japan
9	buick century 350	13	8	350	175	4100	13.0	1973-01-01	USA
10	ford fairmont (auto)	20	6	200	85	2965	15.8	1978-01-01	USA

DEVOPS - CAR FLEET MANAGEMENT

localhost:8080

Car Details

Show 10 entries

Search: datsun 510 (sw)

Id	Car Name	Miles Per Gallon	Cylinders	Displacement	Horsepower	Weight in lbs	Acceleration	Year	Origin
5	datsun 510 (sw)	28	4	97	92	2288	17.0	1972-01-01	Japan

Showing 1 to 1 of 1 entries (filtered from 406 total entries)

Previous 1 Next

JSON response

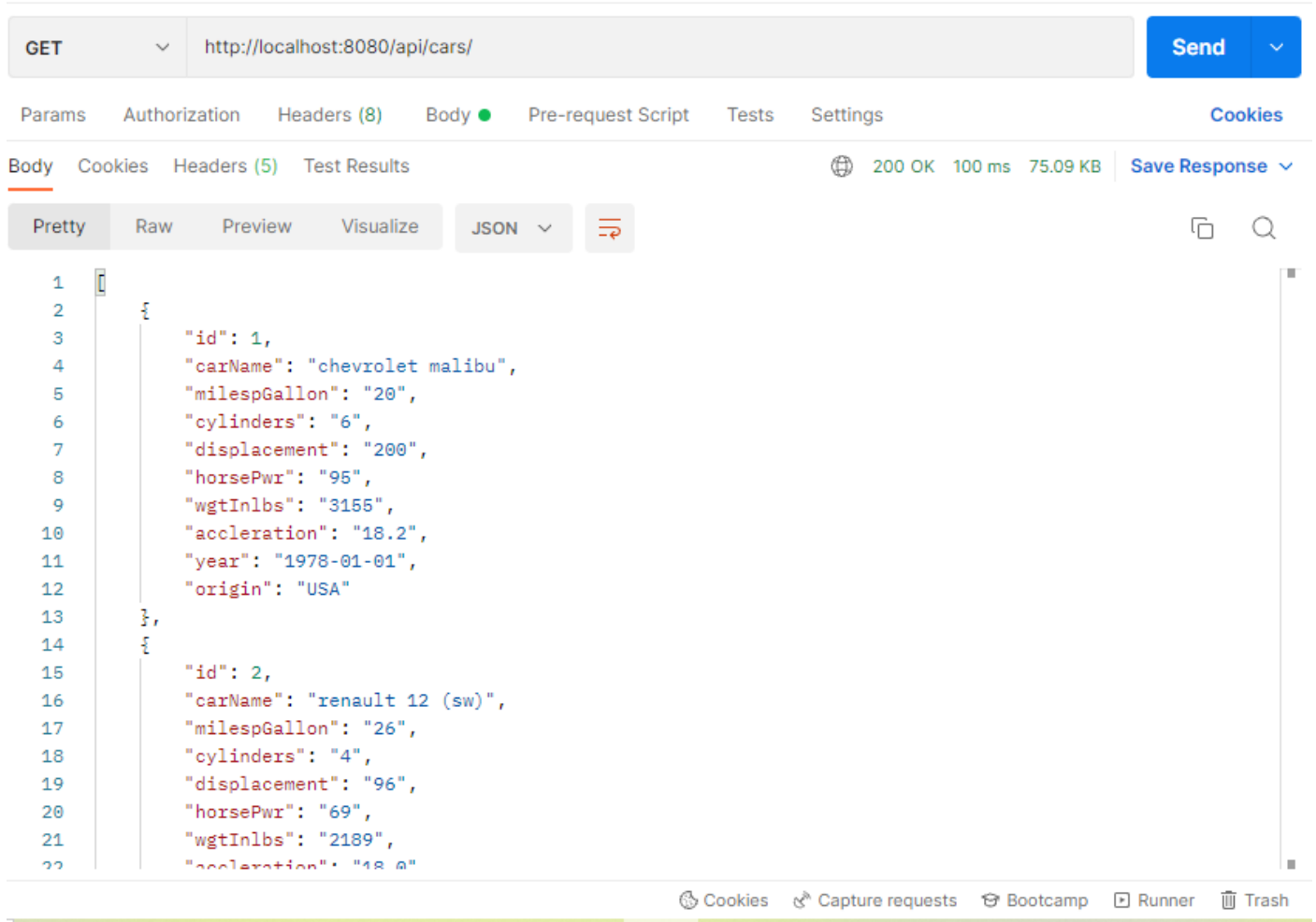
localhost:8080/api/cars/chevrolet%20malibu

```
[{"id":1,"carName":"chevrolet malibu","milesGallon":20,"cylinders":6,"displacement":200,"horsePwr":95,"wgtInlbs":3155,"accleration":18.2,"year":1978-01-01,"origin":"USA"}, {"id":13,"carName":"chevrolet malibu","milesGallon":13,"cylinders":8,"displacement":350,"horsePwr":145,"wgtInlbs":3988,"accleration":13.0,"year":1973-01-01,"origin":"USA"}]
```

localhost:8080/api/cars/

```
[{"id":1,"carName":"chevrolet malibu","milesGallon":20,"cylinders":6,"displacement":200,"horsePwr":95,"wgtInlbs":3155,"accleration":18.2,"year":1978-01-01,"origin":"USA"}, {"id":2,"carName":"renault 12 (sw)","milesGallon":26,"cylinders":4,"displacement":96,"horsePwr":69,"wgtInlbs":2189,"accleration":18.0,"year":1972-01-01,"origin":"Europe"}, {"id":3,"carName":"chevrolet chevelle malibu","milesGallon":18,"cylinders":8,"displacement":307,"horsePwr":130,"wgtInlbs":3504,"accleration":12.0,"year":1970-01-01,"origin":"USA"}, {"id":4,"carName":"ford pinto (sw)","milesGallon":22,"cylinders":4,"displacement":122,"horsePwr":86,"wgtInlbs":2395,"accleration":16.0,"year":1972-01-01,"origin":"USA"}, {"id":5,"carName":"datsun 510 (sw)","milesGallon":28,"cylinders":4,"displacement":97,"horsePwr":92,"wgtInlbs":2288,"accleration":17.0,"year":1972-01-01,"origin":"Japan"}, {"id":6,"carName":"toyouta corona mark ii (sw)","milesGallon":23,"cylinders":4,"displacement":120,"horsePwr":97,"wgtInlbs":2506,"accleration":14.5,"year":1972-01-01,"origin":"Japan"}, {"id":7,"carName":"dodge colt (sw)","milesGallon":28,"cylinders":4,"displacement":98,"horsePwr":80,"wgtInlbs":2164,"accleration":15.0,"year":1972-01-01,"origin":"USA"}, {"id":8,"carName":"toyota corolla 1600 (sw)","milesGallon":27,"cylinders":4,"displacement":97,"horsePwr":88,"wgtInlbs":2100,"accleration":16.5,"year":1972-01-01,"origin":"Japan"}, {"id":9,"carName":"buick century 350","milesGallon":13,"cylinders":8,"displacement":350,"horsePwr":175,"wgtInlbs":4100,"accleration":13.0,"year":1973-01-01,"origin":"USA"}, {"id":10,"carName":"ford fairmont (auto)","milesGallon":20,"cylinders":6,"displacement":200,"horsePwr":85,"wgtInlbs":2965,"accleration":15.8,"year":1978-01-01,"origin":"USA"}, {"id":11,"carName":"ford fairmont (man)","milesGallon":25,"cylinders":4,"displacement":140,"horsePwr":88,"wgtInlbs":2720,"accleration":15.4,"year":1978-01-01,"origin":"USA"}, {"id":12,"carName":"amc matador","milesGallon":14,"cylinders":8,"displacement":304,"horsePwr":150,"wgtInlbs":3672,"accleration":11.5,"year":1973-01-01,"origin":"USA"}, {"id":13,"carName":"chevrolet malibu","milesGallon":13,"cylinders":8,"displacement":350,"horsePwr":145,"wgtInlbs":3988,"accleration":13.0,"year":1973-01-01,"origin":"USA"}, {"id":14,"carName":"plymouth volare","milesGallon":20,"cylinders":6,"displacement":225,"horsePwr":100,"wgtInlbs":3430,"accleration":17.2,"year":1978-01-01,"origin":"USA"}, {"id":15,"carName":"amc concord","milesGallon":19,"cylinders":6,"displacement":232,"horsePwr":90,"wgtInlbs":3210,"accleration":17.2,"year":1978-01-01,"origin":"USA"}, {"id":16,"carName":"buick skylark 320","milesGallon":15,"cylinders":8,"displacement":350,"horsePwr":165,"wgtInlbs":3693,"accleration":11.5,"year":1970-01-01,"origin":"USA"}, {"id":17,"carName":"plymouth satellite","milesGallon":18,"cylinders":8,"displacement":318,"horsePwr":150,"wgtInlbs":3436,"accleration":11.0,"year":1970-01-01,"origin":"USA"}, {"id":18,"carName":"ford gran torino","milesGallon":14,"cylinders":8,"displacement":302,"horsePwr":137,"wgtInlbs":4042,"accleration":14.5,"year":1973-01-01,"origin":"USA"}, {"id":19,"carName":"amc rebel sst","milesGallon":16,"cylinders":8,"displacement":304,"horsePwr":150,"wgtInlbs":3433,"accleration":12.0,"year":1970-01-01,"origin":"USA"}, {"id":20,"carName":"dodge coronet custom","milesGallon":15,"cylinders":8,"displacement":318,"horsePwr":150,"wgtInlbs":3777,"accleration":12.5,"year":1973-01-01,"origin":"USA"}, {"id":21,"carName":"mercury marquis brougham","milesGallon":12,"cylinders":8,"displacement":429,"horsePwr":198,"wgtInlbs":4952,"accleration":11.5,"year":1973-01-01,"origin":"USA"}, {"id":22,"carName":"ford torino","milesGallon":17,"cylinders":8,"displacement":302,"horsePwr":140,"wgtInlbs":3449,"accleration":10.5,"year":1970-01-01,"origin":"USA"}, {"id":23,"carName":"chevrolet caprice classic","milesGallon":13,"cylinders":8,"displacement":400,"horsePwr":150,"wgtInlbs":4464,"accleration":12.0,"year":1973-01-01,"origin":"USA"}, {"id":24,"carName":"buick century special","milesGallon":21,"cylinders":6,"displacement":231,"horsePwr":105,"wgtInlbs":3380,"accleration":15.8,"year":1978-01-01,"origin":"USA"}, {"id":25,"carName":"mercury zephyr","milesGallon":21,"cylinders":6,"displacement":200,"horsePwr":85,"wgtInlbs":3070,"accleration":16.7,"year":1978-01-01,"origin":"USA"}, {"id":26,"carName":"dodge aspen","milesGallon":19,"cylinders":6,"displacement":225,"horsePwr":110,"wgtInlbs":3620,"accleration":18.7,"year":1978-01-01,"origin":"USA"}, {"id":27,"carName":"ford galaxie 500","milesGallon":15,"cylinders":8,"displacement":429,"horsePwr":198,"wgtInlbs":4341,"accleration":10.0,"year":1970-01-01,"origin":"USA"}, {"id":28,"carName":"amc concord d/l","milesGallon":18,"cylinders":6,"displacement":258,"horsePwr":120,"wgtInlbs":3410,"accleration":15.1,"year":1978-01-01,"origin":"USA"}]
```

POSTMAN



Principles

Focused on the exact user's need and developed in a way to accommodate any future enhancement or changes.

Assessed and evaluated the quality of the application by reviewing if any errors present.

Keep it short and simple principle in order to avoid code complexity

Cloud Provider

Using Azure web app cloud service implemented build and deployment of the web service using DevOps and CI/CD principles

Output



Show 10 entries Search:

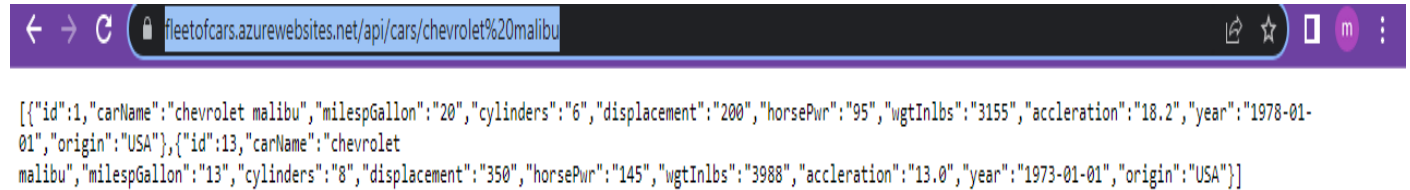
Id	Car Name	Miles Per Gallon	Cylinders	Displacement	Horsepower	Weight in lbs	Acceleration	Year	Origin					
Showing 1 to 10 of 406 entries						Previous	1	2	3	4	5	...	41	Next

← → ↻ 🔒 fleetofcars.azurewebsites.net/api/cars/ 🔗 ☆ 📱 m ⋮

```
{
  "id":1,"carName":"chevrolet malibu","milesGallon":28,"cylinders":6,"displacement":200,"horsePwr":95,"wtInLbs":3155,"acceleration":18.2,"year":1978-01-01,"origin":"USA"},
  {"id":2,"carName":"renault 12 (sw)","milesGallon":26,"cylinders":4,"displacement":96,"horsePwr":69,"wtInLbs":2189,"acceleration":18.0,"year":1972-01-01,"origin":"Europe"},
  {"id":3,"carName":"chevrolet chevelle malibu","milesGallon":18,"cylinders":8,"displacement":307,"horsePwr":130,"wtInLbs":3504,"acceleration":12.0,"year":1970-01-01,"origin":"USA"},
  {"id":4,"carName":"ford pinto (sw)","milesGallon":22,"cylinders":4,"displacement":122,"horsePwr":86,"wtInLbs":2395,"acceleration":16.0,"year":1972-01-01,"origin":"USA"},
  {"id":5,"carName":"datsun 510 (sw)","milesGallon":28,"cylinders":4,"displacement":97,"horsePwr":92,"wtInLbs":2288,"acceleration":17.0,"year":1972-01-01,"origin":"Japan"},
  {"id":6,"carName":"toyota corona mark ii (sw)","milesGallon":23,"cylinders":4,"displacement":120,"horsePwr":97,"wtInLbs":2506,"acceleration":14.5,"year":1972-01-01,"origin":"Japan"},
  {"id":7,"carName":"dodge colt (sw)","milesGallon":28,"cylinders":4,"displacement":98,"horsePwr":80,"wtInLbs":2164,"acceleration":15.0,"year":1972-01-01,"origin":"USA"},
  {"id":8,"carName":"toyota corolla 1600 (sw)","milesGallon":27,"cylinders":4,"displacement":97,"horsePwr":88,"wtInLbs":2100,"acceleration":16.5,"year":1972-01-01,"origin":"Japan"},
  {"id":9,"carName":"buick century 350","milesGallon":13,"cylinders":8,"displacement":350,"horsePwr":175,"wtInLbs":4100,"acceleration":13.0,"year":1973-01-01,"origin":"USA"},
  {"id":10,"carName":"ford fairmont (auto)","milesGallon":28,"cylinders":6,"displacement":200,"horsePwr":85,"wtInLbs":2965,"acceleration":15.8,"year":1978-01-01,"origin":"USA"},
  {"id":11,"carName":"ford fairmont (man)","milesGallon":25,"cylinders":4,"displacement":140,"horsePwr":88,"wtInLbs":2720,"acceleration":15.4,"year":1978-01-01,"origin":"USA"},
  {"id":12,"carName":"amc matador","milesGallon":14,"cylinders":8,"displacement":304,"horsePwr":150,"wtInLbs":3672,"acceleration":11.5,"year":1973-01-01,"origin":"USA"},
  {"id":13,"carName":"chevrolet malibu","milesGallon":13,"cylinders":8,"displacement":350,"horsePwr":145,"wtInLbs":3988,"acceleration":13.0,"year":1973-01-01,"origin":"USA"},
  {"id":14,"carName":"plymouth volare","milesGallon":28,"cylinders":6,"displacement":225,"horsePwr":100,"wtInLbs":3430,"acceleration":17.2,"year":1978-01-01,"origin":"USA"},
  {"id":15,"carName":"amc concord","milesGallon":19,"cylinders":6,"displacement":232,"horsePwr":90,"wtInLbs":3210,"acceleration":17.2,"year":1978-01-01,"origin":"USA"},
  {"id":16,"carName":"buick skylark 320","milesGallon":15,"cylinders":8,"displacement":350,"horsePwr":165,"wtInLbs":3693,"acceleration":11.5,"year":1970-01-01,"origin":"USA"},
  {"id":17,"carName":"plymouth satellite","milesGallon":18,"cylinders":8,"displacement":318,"horsePwr":150,"wtInLbs":3436,"acceleration":11.0,"year":1970-01-01,"origin":"USA"},
  {"id":18,"carName":"ford gran torino","milesGallon":14,"cylinders":8,"displacement":302,"horsePwr":137,"wtInLbs":4042,"acceleration":14.5,"year":1973-01-01,"origin":"USA"},
  {"id":19,"carName":"amc rebel ss","milesGallon":16,"cylinders":8,"displacement":304,"horsePwr":150,"wtInLbs":3433,"acceleration":12.0,"year":1970-01-01,"origin":"USA"},
  {"id":20,"carName":"dodge coronet custom","milesGallon":15,"cylinders":8,"displacement":318,"horsePwr":150,"wtInLbs":3777,"acceleration":12.5,"year":1973-01-01,"origin":"USA"},
  {"id":21,"carName":"mercury marquis brougham","milesGallon":12,"cylinders":8,"displacement":429,"horsePwr":198,"wtInLbs":4952,"acceleration":11.5,"year":1973-01-01,"origin":"USA"},
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  {"id":23,"carName":"chevrolet caprice classic","milesGallon":13,"cylinders":8,"displacement":400,"horsePwr":150,"wtInLbs":4464,"acceleration":12.0,"year":1973-01-01,"origin":"USA"},
  {"id":24,"carName":"buick century special","milesGallon":21,"cylinders":6,"displacement":231,"horsePwr":105,"wtInLbs":3380,"acceleration":15.8,"year":1978-01-01,"origin":"USA"},
  {"id":25,"carName":"mercury zephyr","milesGallon":21,"cylinders":6,"displacement":200,"horsePwr":85,"wtInLbs":3070,"acceleration":16.7,"year":1978-01-01,"origin":"USA"},
  {"id":26,"carName":"dodge aspen","milesGallon":19,"cylinders":6,"displacement":225,"horsePwr":110,"wtInLbs":3620,"acceleration":18.7,"year":1978-01-01,"origin":"USA"},
  {"id":27,"carName":"ford galaxie 500","milesGallon":15,"cylinders":8,"displacement":429,"horsePwr":198,"wtInLbs":4341,"acceleration":10.0,"year":1970-01-01,"origin":"USA"},
  {"id":28,"carName":"amc concord d/i","milesGallon":18,"cylinders":6,"displacement":258,"horsePwr":120,"wtInLbs":3410,"acceleration":15.1,"year":1978-01-01,"origin":"USA"}
}
```


JSON response for exact match of the **Name** key:

<https://fleetofcars.azurewebsites.net/api/cars/chevrolet%20malibu>



```
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