

***PROJECT***

***OBJECT ORIENTED PROGRAMMING CS-103***

***DR. NOUMAN RIAZ***

**Submitted By**

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**Section CS-II-19-A**

Application Starts without any error

But if you want to use RestServices you have to @RestController annotation

And

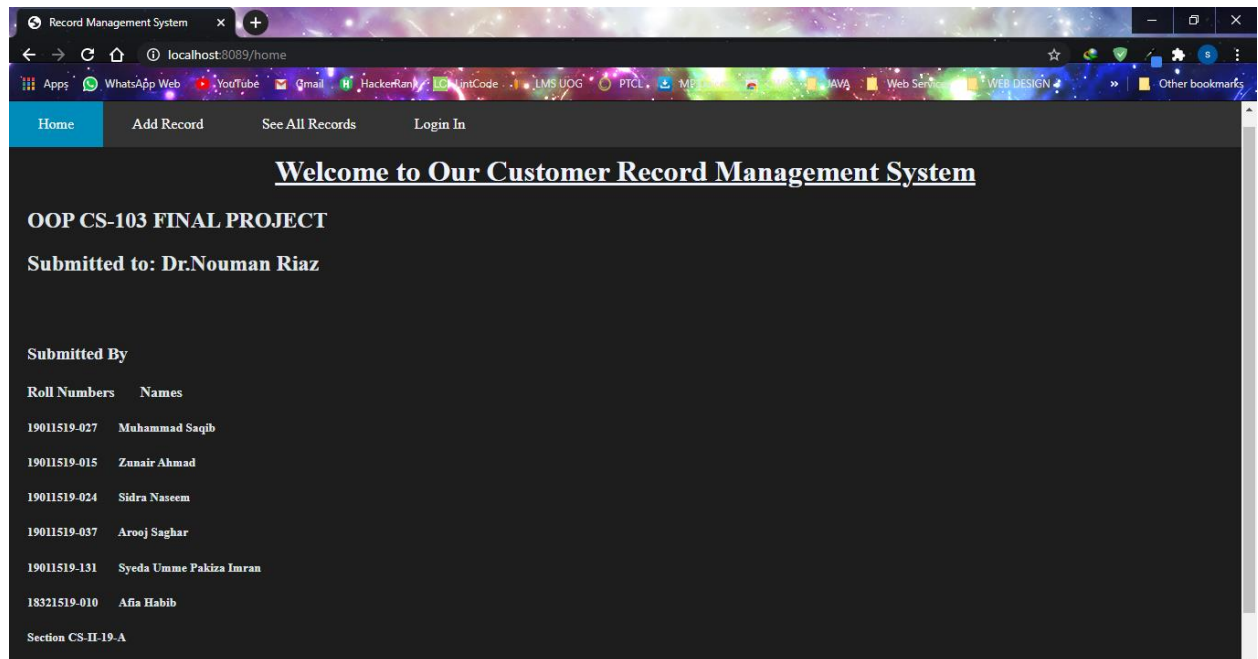
if you want to use WebServices you have to @Controller annotation

code crashes with both annotations used at the same time

```
2020-08-12 22:38:25.055 INFO 14268 --- [ restartedMain] org.apache.jasper.servlet.TldScanner : At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging to see which JARs.
2020-08-12 22:38:25.064 INFO 14268 --- [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2020-08-12 22:38:25.064 INFO 14268 --- [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2592 ms
2020-08-12 22:38:25.344 INFO 14268 --- [ restartedMain] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2020-08-12 22:38:25.390 INFO 14268 --- [ task-1] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2020-08-12 22:38:25.584 INFO 14268 --- [ task-1] org.hibernate.Version : HHH000412: Hibernate ORM core version 5.4.18.Final
2020-08-12 22:38:25.691 WARN 14268 --- [ restartedMain] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be executed during initialization. If you have multiple entities in the application, it may result in too many database queries for initialization.
2020-08-12 22:38:25.799 INFO 14268 --- [ task-1] o.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations {5.1.0.Final}
2020-08-12 22:38:26.006 INFO 14268 --- [ task-1] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2020-08-12 22:38:26.404 INFO 14268 --- [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2020-08-12 22:38:26.521 INFO 14268 --- [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8089 (http) with context path ''
2020-08-12 22:38:26.525 INFO 14268 --- [ restartedMain] DeferredRepositoryInitializationListener : Triggering deferred initialization of Spring Data repositories...
2020-08-12 22:38:27.540 INFO 14268 --- [ task-1] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2020-08-12 22:38:27.636 INFO 14268 --- [ task-1] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.MySQL8Dialect
2020-08-12 22:38:30.552 INFO 14268 --- [ task-1] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2020-08-12 22:38:30.617 INFO 14268 --- [ task-1] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2020-08-12 22:38:31.631 INFO 14268 --- [ restartedMain] DeferredRepositoryInitializationListener : Spring Data repositories initialized!
2020-08-12 22:38:31.652 INFO 14268 --- [ restartedMain] ServiceRecordManagementSystemApplication : Started WebServiceRecordManagementSystemApplication in 9.791 seconds (JVM running for 11.171 seconds)
```

## 1. Home page

You can access all the links from the horizontal menu on the top



## 2. Image when adding a new record

The screenshot shows a web browser window with the URL `localhost:8089/addCustomerForm`. The page title is "SAMZ Vehicle Record Management System" and the subtitle is "Add Record of A New Customer". The form contains the following fields:

- Enter Name:
- Enter Age:
- Enter Id Card Number:
- Enter Email:
- Select Gender:   
☒ Male   
☐ Female
- Select Vehicle:

At the bottom of the form, there is a "Save form" label and a "Save" button. Below the form, there is a footer that says "Please Give us Your feedBack".

## With post man -PostRequest

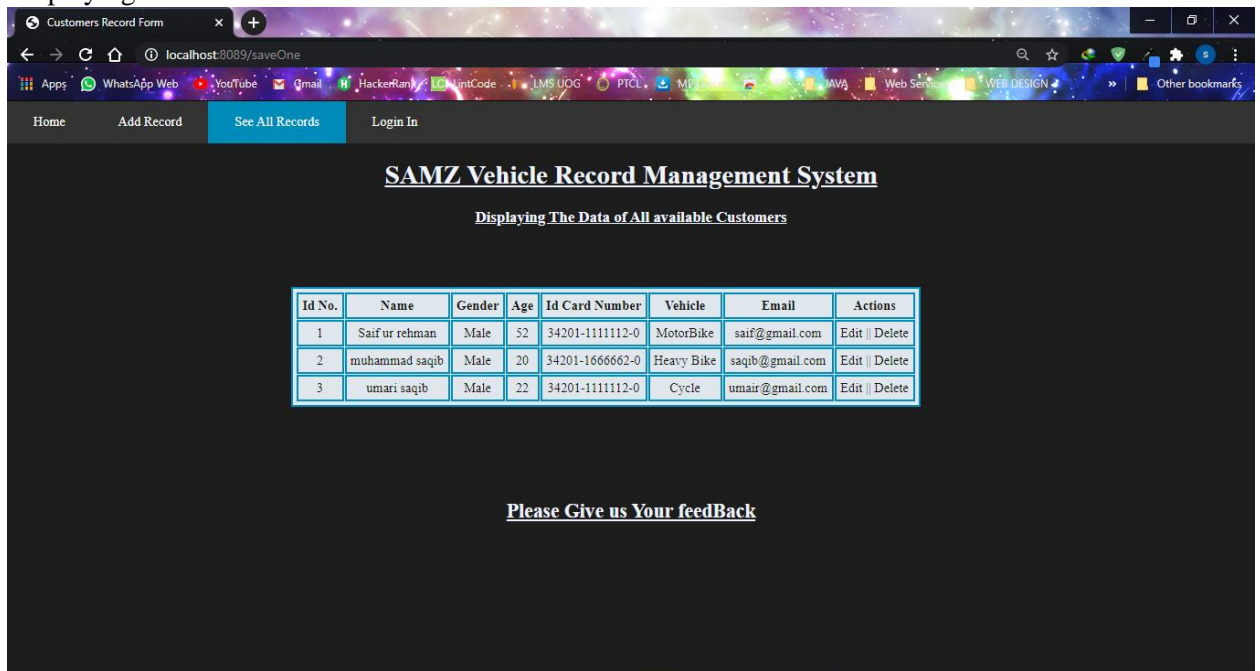
The screenshot shows the Postman interface. The request is a POST to `http://localhost:8089/saveRecord`. The body is raw JSON:

```
[{"customerName": "Hassan Raza", "customerGender": "Male", "customerAge": "22", "customerIdCardNumber": "34233-4443333-3", "customerVehicle": "Heavy Bike", "customerEmail": "pmChawal@gmail.com"}]
```

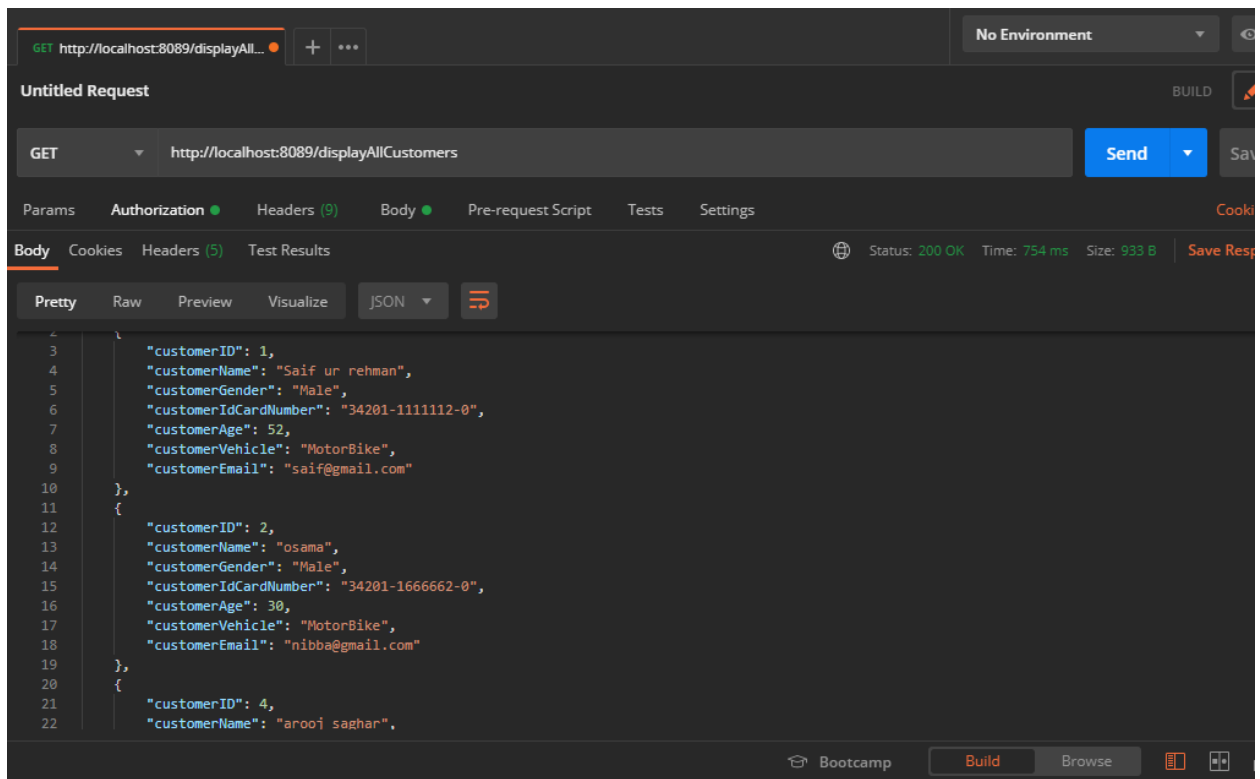
The response is a 200 OK status with the following JSON body:

```
{ "customerID": 5, "customerName": "Hassan Raza", "customerGender": "Male", "customerIdCardNumber": "34233-4443333-3", "customerAge": 22, "customerVehicle": "Heavy Bike", "customerEmail": "pmChawal@gmail.com" }
```

### 3. Displaying all the records



With postman -GetRequest



#### 4. Updating a Record

To update click on the “edit” button in the actions table to update that record  
You can see that the record at the ID 2 has been updated

Customers Record Form

Home Add Record See All Records Login In

### SAMZ Vehicle Record Management System

Displaying The Data of All available Customers

Id No.	Name	Gender	Age	Id Card Number	Vehicle	Email	Actions
1	Saif ur rehman	Male	52	34201-1111112-0	MotorBike	saif@gmail.com	Edit    Delete
2	osama	Male	30	34201-1666662-0	MotorBike	nibba@gmail.com	Edit    Delete
3	umari saqib	Male	22	34201-1111112-0	Cycle	umair@gmail.com	Edit    Delete

[Please Give us Your feedBack](#)

With postman -PutMapping

PUT http://localhost:8089/updateOneCustomer

Untitled Request

PUT http://localhost:8089/updateOneCustomer

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
3 "customerName": "Hassan ",
4 "customerGender": "Male",
5 "customerAge": "20",
6 "customerIdCardNumber": "34233-4443333-3",
7 "customerVehicle": "Heavy Bike",
8 "customerEmail": "hassan@gmail.com"
```

Body Cookies Headers (5) Test Results

Status: 200 OK Time: 355 ms Size: 353 B Save Response

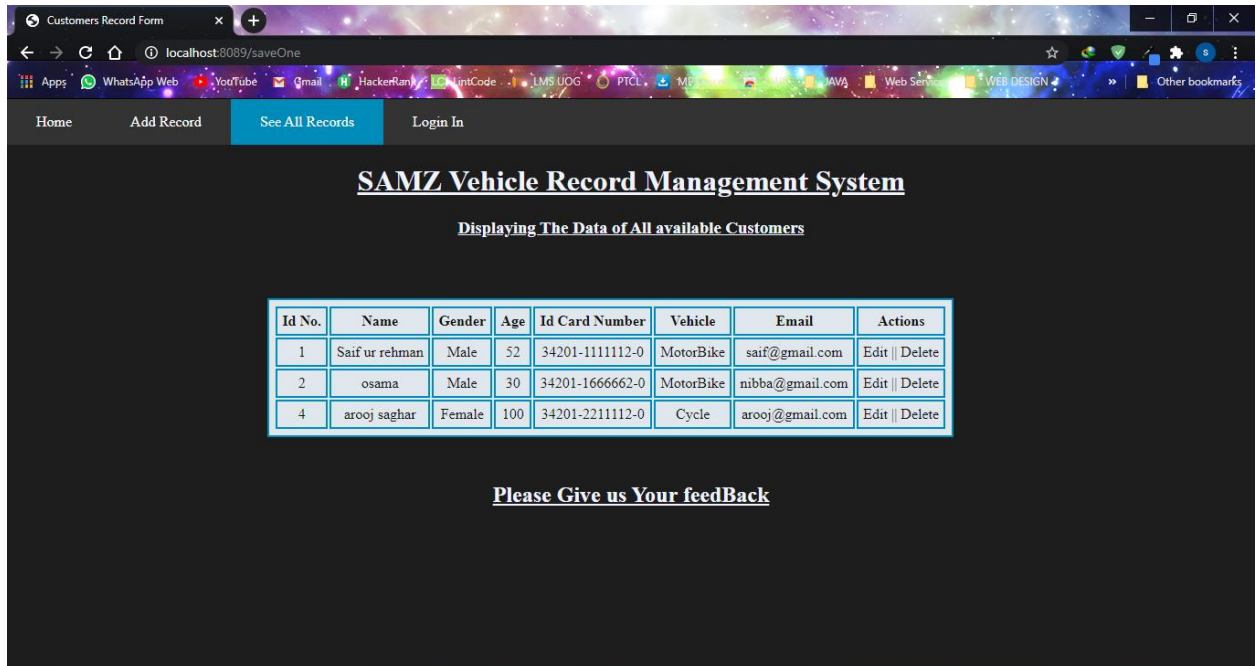
Pretty Raw Preview Visualize JSON

```
1 {
2   "customerID": 6,
3   "customerName": "Hassan ",
4   "customerGender": "Male",
5   "customerIdCardNumber": "34233-4443333-3",
6   "customerAge": 20,
7   "customerVehicle": "Heavy Bike",
8   "customerEmail": "hassan@gmail.com"
9 }
```

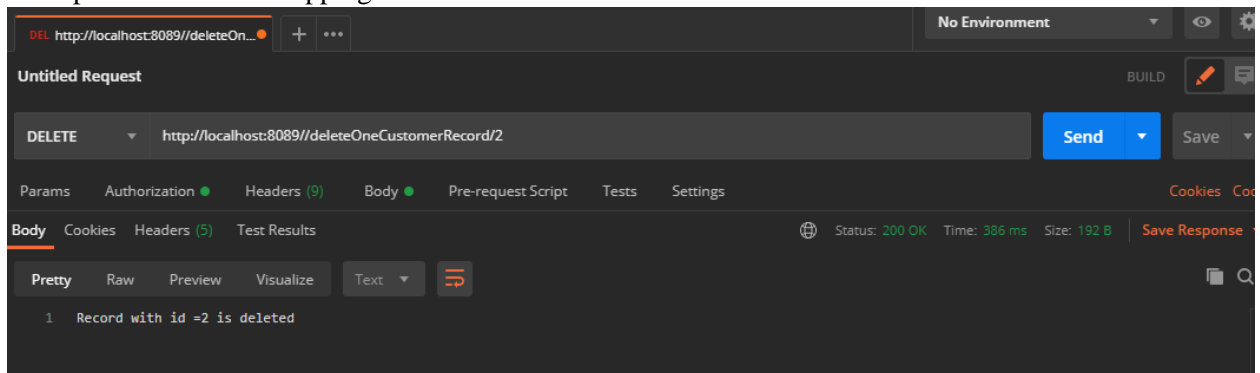
##### 5. Deleting a record

To update click on the “delete” button in the actions table to delete that record

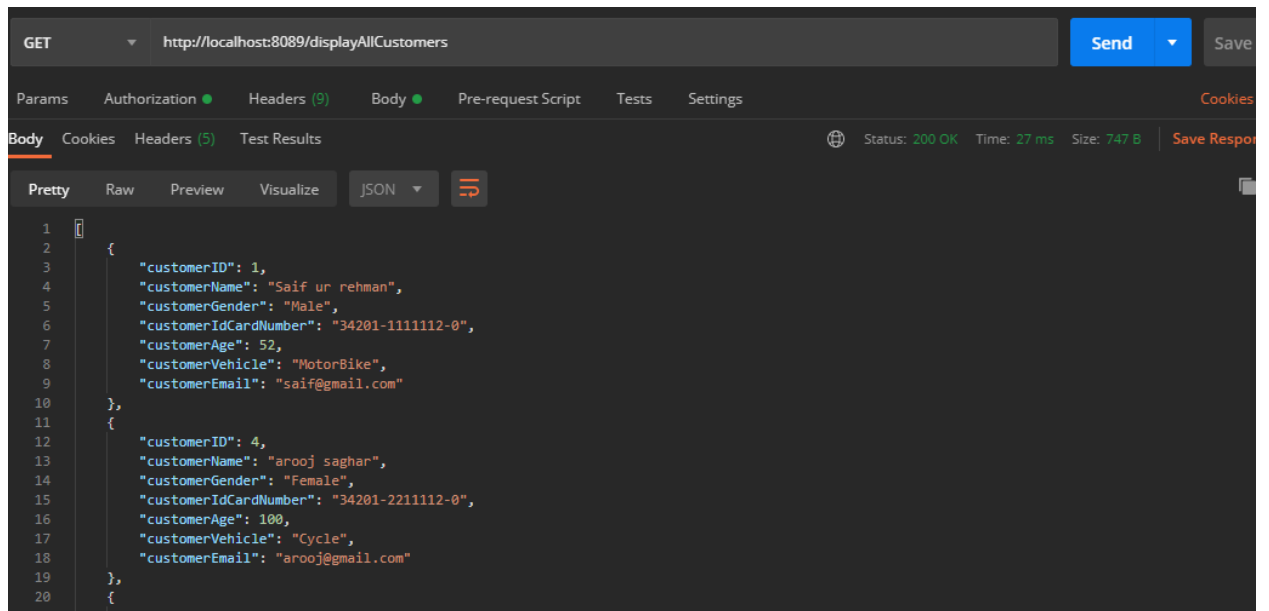
Record with ID 3 has been deleted



With postman -DeleteMapping



No id=2 record because it is deleted



GET http://localhost:8089/displayAllCustomers Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

Body Cookies Headers (5) Test Results Status: 200 OK Time: 27 ms Size: 747 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "customerID": 1,
4     "customerName": "Saif ur rehman",
5     "customerGender": "Male",
6     "customerIdCardNumber": "34201-1111112-0",
7     "customerAge": 52,
8     "customerVehicle": "MotorBike",
9     "customerEmail": "saif@gmail.com"
10  },
11  {
12    "customerID": 4,
13    "customerName": "arooj saghar",
14    "customerGender": "Female",
15    "customerIdCardNumber": "34201-2211112-0",
16    "customerAge": 100,
17    "customerVehicle": "Cycle",
18    "customerEmail": "arooj@gmail.com"
19  },
20  {
```