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JavaFsdGraded4RestApiApplication.java ✕

```java
1  package com.greatlearning.employeemanagement;
2
3  import java.util.ArrayList;
15
16  @SpringBootApplication
17  public class JavaFsdGraded4RestApiApplication implements CommandLineRunner {
18
19      @Autowired
20      UserRepository userRepository;
21
22      public static void main(String[] args) {
23          SpringApplication.run(JavaFsdGraded4RestApiApplication.class, args);
24          System.out.println("Evetything is Okay");
25      }
26
27      @Override
28      public void run(String... args) throws Exception {
29
30          User user = new User();
31          user.setId(1);
32          user.setUsername("sai");
33          user.setPassword(new BCryptPasswordEncoder().encode("sai"));
34          List<Role> roles = new ArrayList<>();
35          roles.add(new Role(1,"admin"));
36          user.setRoles(roles);
37          userRepository.save(user);
38
39      }
40
41  }
42
```

Initial login credentials :- UserName: sai,   Password:sai

localhost:8080/EmployeeManagement4/login

Please sign in

sai

•••

Sign in

Login as Admin

1.Adding Role dynamically

localhost:8080/EmployeeManagement4/swagger-ui.html#/roles-and-users-controller/addRoleUsingPOST

Request URL

```
http://localhost:8080/EmployeeManagement4/create-signup/add-role?name=user
```

Server response

Code	Details
200	**Response body**

```
{
  "id": 2,
  "name": "user"
}
```

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Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Thu, 28 Jul 2022 20:55:16 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

Code	Description
200	*OK*

Role added successfully

roles-and-users-controller Roles And Users Controller

POST /create-signup/add-newuser addNewUser

Parameters Cancel

Name	Description
password string (query)	password srikanth
rolename string (query)	rolename admin
username string (query)	username srikanth

Execute

Responses Response content type */*

==2.Adding New User==

Request URL

```
http://localhost:8080/EmployeeManagement4/create-signup/add-newuser?password=srikanth&rolename=admin&username=srikanth
```

Server response

Code	Details
200	**Response body**

```
{
  "id": 2,
  "username": "srikanth",
  "password": "$2a$10$nKWJka4UBQhO0KuHrgVraO64G8.LKolYOnih6v6Y25mzWtfC7aqsG",
  "roles": [
    {
      "id": 1,
      "name": "admin"
    }
  ]
}
```

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Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Thu, 28 Jul 2022 20:57:40 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

New User added

signing in as Admin

← → C ⌂   ⓘ localhost:8080/EmployeeManagement4/swagger-ui.html#/employee-create-controller/addEmployeeUsingPOST

employee-create-controller Employee Create Controller ⌄

POST	/createService/addEmployee addEmployee

Parameters   Cancel

Name	Description
email string (query)	arjith@gmail.com
firstName string (query)	arjith
id integer($int32) (query)	5
lastName string (query)	mahendra

Execute

3.Adding New Employee with Admin login

Request URL

http://localhost:8080/EmployeeManagement4/createService/addEmployee?email=arjith%40gmail.com&firstName=arjith&id=5&lastName=mahendra

Server response

Code	Details
200	**Response body**

New Employee added successfully

Download

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-length: 31
content-type: text/plain;charset=UTF-8
date: Thu, 28 Jul 2022 21:03:33 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

Code	Description
200	*OK*

New Employee added

Request URL

```
http://localhost:8080/EmployeeManagement4/readService/findAllEmployees
```

Server response

Code	Details
200	**Response body**

```
[
    {
        "id": 1,
        "firstName": "Sai",
        "lastName": "Srikanth",
        "email": "ddssrikanth@gmail.com"
    },
    {
        "id": 2,
        "firstName": "Shubham",
        "lastName": "Sharma",
        "email": "shubham@gmail.com"
    },
    {
        "id": 3,
        "firstName": "Hari",
        "lastName": "Nadh",
        "email": "hari@gmail.com"
    },
    {
        "id": 4,
        "firstName": "Hari",
        "lastName": "Krishna",
        "email": "krishna@gmail.com"
    },
    {
```

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4.Fetching All Employees

5.Fetch An Employee By Id

Request URL

http://localhost:8080/EmployeeManagement4/readService/findEmployeeById?id=1

Server response

Code	Details
200	**Response body**

```
{
    "id": 1,
    "firstName": "Sai",
    "lastName": "Srikanth",
    "email": "ddssrikanth@gmail.com"
}
```

Download

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Thu, 28 Jul 2022 21:15:22 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

Code	Description
200	OK

Employee Fetched by Id successfully

POST /updateService/updateExistingEmployee updateExistingEmployee

Parameters
Cancel

Name	Description
email string *(query)*	123@gmail.com
firstName string *(query)*	kumar
id integer($int32) *(query)*	id 1
lastName string *(query)*	raja

Execute

Responses

Response content type */*

6.Updating an Existing Employee

Request URL

```
http://localhost:8080/EmployeeManagement4/updateService/updateExistingEmployee?email=123%40gmail.com&firstName=kumar&id=1&lastName=raja
```

Server response

Code	Details
200	**Response body**

```
{
  "id": 1,
  "firstName": "kumar",
  "lastName": "raja",
  "email": "123@gmail.com"
}
```

Download

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Thu, 28 Jul 2022 21:17:44 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

Code	Description
200	OK

Employee with Id:1 Updated Successfully

7.Deleting Employee By Id

Request URL

http://localhost:8080/EmployeeManagement4/deleteService/deleteById?id=5

Server response

Code	Details
200	**Response body**

```
Library by this Id 5 is deleted
```

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Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-length: 31
content-type: text/plain;charset=UTF-8
date: Thu, 28 Jul 2022 21:20:02 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Responses

Code	Description
200	OK

Employee with Id:5 deleted Successfully

GET /readService/findEmployeeByFirstName findEmployeeByFirstName

Parameters

Cancel

Name	Description
firstName string (query)	firstName Hari

Execute

8.Getting an Employee By FirstName: Hari

Request URL

```
http://localhost:8080/EmployeeManagement4/readService/findEmployeeByFirstName?firstName=Hari
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "id": 3,
    "firstName": "Hari",
    "lastName": "Nadh",
    "email": "hari@gmail.com"
  },
  {
    "id": 4,
    "firstName": "Hari",
    "lastName": "Krishna",
    "email": "krishna@gmail.com"
  }
]
```

Download

Response headers

```
cache-control: no-cache, no-store, max-age=0, must-revalidate
connection: keep-alive
content-type: application/json
date: Thu, 28 Jul 2022 21:22:14 GMT
expires: 0
keep-alive: timeout=60
pragma: no-cache
transfer-encoding: chunked
vary: Origin, Access-Control-Request-Method, Access-Control-Request-Headers
x-content-type-options: nosniff
x-frame-options: DENY
x-xss-protection: 1; mode=block
```

Successfully fetched by firstName

GET /readService/employeesSortedByFirstName employeesSortedByFirstName

Parameters
Cancel

Name	Description
direction string (query)	direction ASC ▾

Execute

Request URL

```
http://localhost:8080/EmployeeManagement4/readService/employeesSortedByFirstName?direction=ASC
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "id": 3,
    "firstName": "Hari",
    "lastName": "Nadh",
    "email": "hari@gmail.com"
  },
  {
    "id": 4,
    "firstName": "Hari",
    "lastName": "Krishna",
    "email": "krishna@gmail.com"
  },
  {
    "id": 2,
    "firstName": "Shubham",
    "lastName": "Sharma",
    "email": "shubham@gmail.com"
  },
  {
    "id": 1,
    "firstName": "kumar",
    "lastName": "raja",
    "email": "123@gmail.com"
  }
]
```

Download

Response headers

9.Sorting By FirstName (ASC)

GET `/readService/employeesSortedByFirstName` employeesSortedByFirstName

Parameters   Cancel

Name	Description
direction	direction
string	DESC ⌄
(query)	

Execute	Clear

Request URL

```
http://localhost:8080/EmployeeManagement4/readService/employeesSortedByFirstName?direction=DESC
```

Server response

Code	Details
200	**Response body**

```
[
  {
    "id": 1,
    "firstName": "kumar",
    "lastName": "raja",
    "email": "123@gmail.com"
  },
  {
    "id": 2,
    "firstName": "Shubham",
    "lastName": "Sharma",
    "email": "shubham@gmail.com"
  },
  {
    "id": 3,
    "firstName": "Hari",
    "lastName": "Nadh",
    "email": "hari@gmail.com"
  },
  {
    "id": 4,
    "firstName": "Hari",
    "lastName": "Krishna",
    "email": "krishna@gmail.com"
  }
]
```

Download

Sorting By FirstName (DESC)