1.Your application should be able to add roles in the database dynamically in the db.

Ex-

{

"name":"USER"

}

Where name specifies a role which can be assigned to a user that will be used for authentication purposes while interacting with the api.

2. Your application should be able to add Users in the db which can be used for authentication purposes.

Ex-

{

"username":"temp",

"password":"12345",

"roles":[{

"id":2,

"name":"USER"

}]

}

3. Now Your application should be able to add employees data in the db if and only if the authenticated user is **ADMIN**-

Ex-

{

"firstName":"gl",

"lastName":"postman",

"email":"postman@gamil.com"

}

4. Your application should provide an endpoint to list all the employees stored in the database.

Ex-

Response Body-

[

{

"id": 1,

"firstName": "Ujjawal",

"lastName": "Sharma",

"email": "fdfdfd@gmail.com"

},

{

"id": 2,

"firstName": "temp",

"lastName": "kaushik",

"email": "jdfdkfdjj@gmail.com"

},

{

"id": 3,

"firstName": "postman",

"lastName": "postman",

"email": "postman@gamil.com"

}

]

5. Your application should provide endpoint to fetch or get an employee record specifically based on the id of that employee-

Ex- Url- <http://localhost:8080/api/employees/3>

Response Body-

{

"id": 3,

"firstName": "postman",

"lastName": "postman",

"email": "postman@gamil.com"

}

6. Your application should provide an endpoint to update an existing employee record with the given updated json object.

Ex-

Object to be updated(raw->Json)-

{

"id":1,

"firstName":"postman",

"lastName":"postman",

"email":"postman@gamil.com"

}

Response Body after updation-

{

"id": 1,

"firstName": "postman",

"lastName": "postman",

"email": "postman@gamil.com"

}

7. Your application should also provide an endpoint to delete an existing employee record based on the id of the employee-

Ex-

Url- <http://localhost:8080/api/employees/4>

Response Body-

"Deleted employee id - 4”

8. Your application should provide an endpoint to fetch an employee by his/her first name and if found more than one record then list them all-

Ex-

Url- http://localhost:8080/api/employees/search/gl

Response Body-

[

{

"id": 11,

"firstName": "gl",

"lastName": "postman",

"email": "postman@gamil.com"

}

]

9. Your application should be able to list all employee records sorted on their first name in either ascending order or descending order .

Ex-

Url- [http://localhost:8080/api/employees/sort?order=”asc](http://localhost:8080/api/employees/sort?order=%E2%80%9Dasc)”

OR

Url- http://localhost:8080/api/employees/sort?order=”desc”