The whole back-end application divided into two microservices.

1.login\_signup\_microservice

in this microservice the registration and login api present with their proper functioning.

2.get\_update\_details\_microservice

in this microservice getting and updating employees data api present with their proper functioning.

Api s of login\_signup\_microservice

1. saveEmployee

function- save the details of employee and generate their login credentials with their phone no. And password is autogenerated.

RequestBody-{“empName”: ”String”,

“empContact”: ”Integer”,

“empEmail”: ”varChar”,

“empPhoto”: ”String”,

“skillSet”: [

{“skillName”: “String”

}

]

}

ResponseBody-{ "code": 201,

"message": [ "successfully added " ],

"data": {}

}

2. login

function – authenticate the credential which was enter by user and ensure that jwt is implemented for the whole authentication procedure.

RequestBody-{“contact”: “Integer”,

“password” : “varChar”

}

Api s of get\_update\_details\_microservice

1.getEmployeeById

funtion – this api will get all the employee details whose Id will be passed.

ResponseBody-{ "code": 200,

"message": [ "successfully " ],

"data": { “empId” : “String”,

“empName”: ”String”,

“empContact”: ”Integer”,

“empEmail”: ”varChar”,

“empPhoto”: ”String”,

“skillSet”: [

{ “skillId” : “String”,

“skillName”: “String”

}

]

}

}

2. updateEmployeeById

function- this api will update the exisiting employee details by getting its empId.

RequestBody- { “empId” : “String”,

“empName”: ”String”,

“empContact”: ”Integer”,

“empEmail”: ”varChar”,

“empPhoto”: ”String”,

“skillSet”: [

{ “skillId” : “String”,

“skillName”: “String”

}

]

}

}

ResponseBody- { "code": 200,

"message": [ "successfully added " ],

"data": {}

}

Key Features to Remember:-

1. Authentication and Security should be provide by jwt.

2. Cache should be implemented either one of these ( 1.HazelCast Cache

2.Redis Cache)

3. Unique id should be in String format and prefix is same as entity name

ex- Employee id be like emp0001,emp0002 .....

4. Swagger should be implemented.

5. Use Mysql for database.

6. Use gradle for project build.

7.employee photo comes in String format ex- https://whasfaljh.com

E-R Diagram

