

EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

I. My Eureka Server is holding all my services

The screenshot shows the Spring Eureka Server dashboard at localhost:8761. The dashboard is divided into several sections:

- System Status:** Shows environment (test), data center (default), current time (2025-08-26T16:44:51+0530), uptime (00:08), lease expiration enabled (true), renew threshold (11), and renew interval (12).
- DS Replicas:** Shows instances currently registered with Eureka.
- General Info:** Shows system metrics like total available memory (71mb), number of CPUs (12), current memory usage (56mb (78%)), server uptime (00:08), registered replicas, unavailable replicas, and available replicas.
- Instance Info:** Shows details for a specific instance, including IP address (192.168.1.68) and status (UP).

Application	Addr	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - xNPRCHT-AP-Gateway:8761
CONFIG-SERVER	n/a (1)	(1)	UP (1) - xNPRCHT-Config-Server:8084
DEPARTMENTS-SERVICE	n/a (1)	(1)	UP (1) - xNPRCHT-departments-service:8083
EMPLOYEE-SERVICE	n/a (1)	(1)	UP (1) - xNPRCHT-employee-service:8084
PROJECTS-SERVICE	n/a (1)	(1)	UP (1) - xNPRCHT-projects-service:8084
SALARY-SERVICE	n/a (1)	(1)	UP (1) - xNPRCHT-salary-service:8086

Name	Value
total-avail-memory	71mb
num-of-cpus	12
current-memory-usage	56mb (78%)
server-uptime	00:08
registered-replicas	
unavailable-replicas	
available-replicas	

Name	Value
ipAddr	192.168.1.68
status	UP

II. Employee Service

a) Posting employee details

The screenshot shows the REST Client interface with a POST request to http://localhost:8081/api/employees. The request body is a JSON object representing an employee. The response is also a JSON object, indicating the employee was successfully created.

```
POST http://localhost:8081/api/employees
```

```
{  "name": "Niharika Kapoor",  "address": "Chandigarh",  "mobileNumber": "+91 947435 2023",  "gender": "FEMALE",  "dateOfJoining": "2003-09-19",  "departmentId": 2,  "salaryId": 2,  "projectId": 4}
```

Status: 200 OK Time: 442 ms Size: 345 B

```
{  "id": 12,  "name": "Niharika Kapoor",  "address": "Chandigarh",  "mobileNumber": "+91 947435 2023",  "gender": "FEMALE",  "dateOfJoining": "2003-09-19",  "departmentId": 2,  "salaryId": 2,  "projectId": 4}
```

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b) Updating employee details

The screenshot shows a REST client interface with a PATCH request to `http://localhost:8081/api/employees/updateEmployeeById/12`. The request body is a JSON object with the following fields:

```
{
  "name": "Niharika Kapoor",
  "address": "Delhi",
  "mobileNumber": "+91 947435 2023",
  "gender": "FEMALE",
  "dateOfJoining": "2003-09-19",
  "departmentId": 2,
  "salaryId": 2,
  "projectId": 4
}
```

The response status is 200 OK, with a time of 87 ms and a size of 340 B. The response body is a JSON object with the following fields:

```
{
  "id": 12,
  "name": "Niharika Kapoor",
  "address": "Delhi",
  "mobileNumber": "+91 947435 2023",
  "gender": "FEMALE",
  "dateOfJoining": "2003-09-19",
  "departmentId": 2,
  "salaryId": 2,
  "projectId": 4
}
```

c) Deleting employee with ID:13

The screenshot shows a REST client interface with a DELETE request to `http://localhost:8081/api/employees/deleteEmployee/13`. The request body is a JSON object with the following fields:

```
{
  "name": "Fake Student",
  "address": "Kerala",
  "mobileNumber": "+91 946674 3453",
  "gender": "MALE",
  "dateOfJoining": "2000-01-26",
  "departmentId": 2,
  "salaryId": 1,
  "projectId": 4
}
```

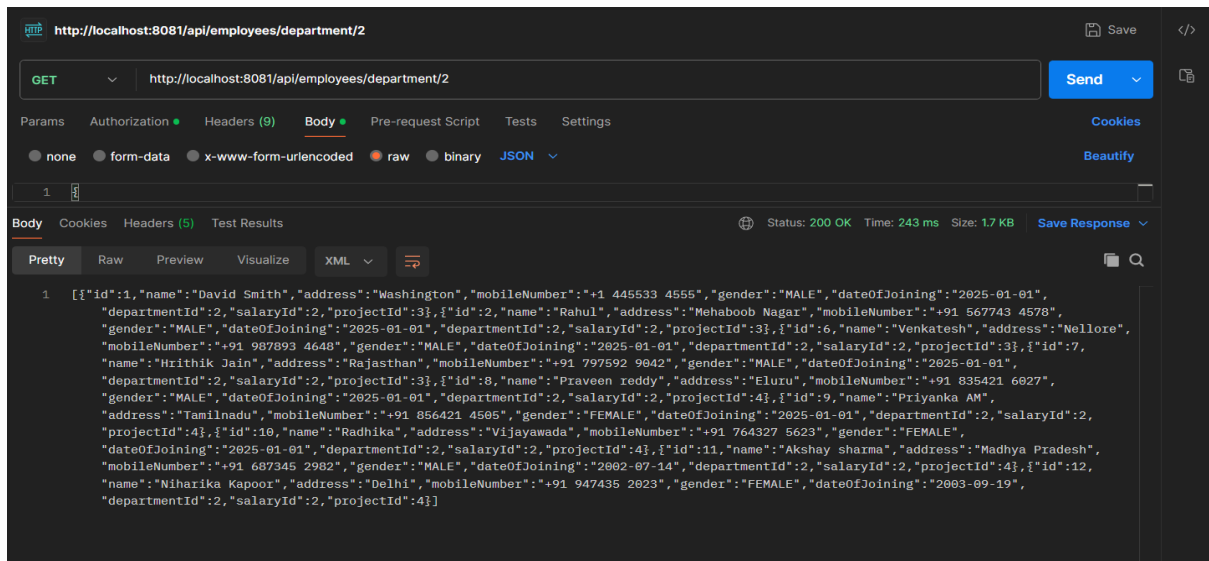
The response status is 200 OK, with a time of 266 ms and a size of 201 B. The response body is a plain text message:

```
Employee with 13 Deleted Successfully
```

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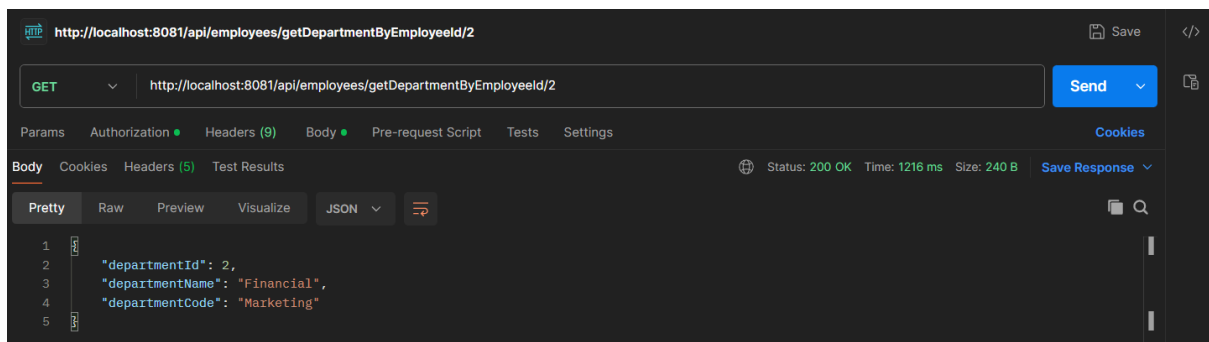
d) Accessing all employees with their respective department Id's



```
1 [{"id":1,"name":"David Smith","address":"Washington","mobileNumber":"+1 445533 4555","gender":"MALE","dateOfJoining":"2025-01-01",
  "departmentId":2,"salaryId":2,"projectId":3},{id:2,"name":"Rahul","address":"Mehaboob Nagar","mobileNumber":"+91 567743 4578",
  "gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"salaryId":2,"projectId":3},{id:6,"name":"Venkatesh","address":"Nellore",
  "mobileNumber":"+91 987893 4648","gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"salaryId":2,"projectId":3},{id:7,
  "name":"Hrithik Jain","address":"Rajasthan","mobileNumber":"+91 797592 9042","gender":"MALE","dateOfJoining":"2025-01-01",
  "departmentId":2,"salaryId":2,"projectId":3},{id:8,"name":"Praveen Reddy","address":"Eluru","mobileNumber":"+91 835421 6027",
  "gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"salaryId":2,"projectId":4},{id:9,"name":"Priyanka AN",
  "address":"Tamilnadu","mobileNumber":"+91 856421 4505","gender":"FEMALE","dateOfJoining":"2025-01-01","departmentId":2,"salaryId":2,
  "projectId":4},{id:10,"name":"Radhika","address":"Vijayawada","mobileNumber":"+91 764327 5623","gender":"FEMALE",
  "dateOfJoining":"2025-01-01","departmentId":2,"salaryId":2,"projectId":4},{id:11,"name":"Akshay sharma","address":"Madhya Pradesh",
  "mobileNumber":"+91 687345 2982","gender":"MALE","dateOfJoining":"2002-07-14","departmentId":2,"salaryId":2,"projectId":4},{id:12,
  "name":"Niharika Kapoor","address":"Delhi","mobileNumber":"+91 947435 2023","gender":"FEMALE","dateOfJoining":"2003-09-19",
  "departmentId":2,"salaryId":2,"projectId":4}]
```

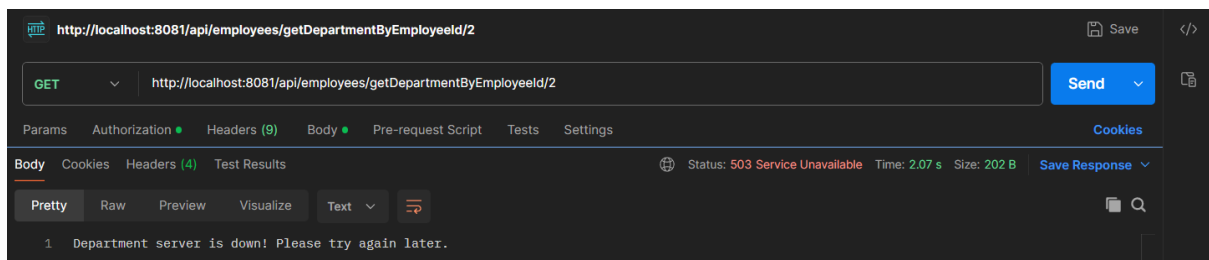
e) Accessing department details using employee service by their dept ID

i. If department server is UP and running



```
1 {
2   "departmentId": 2,
3   "departmentName": "Financial",
4   "departmentCode": "Marketing"
5 }
```

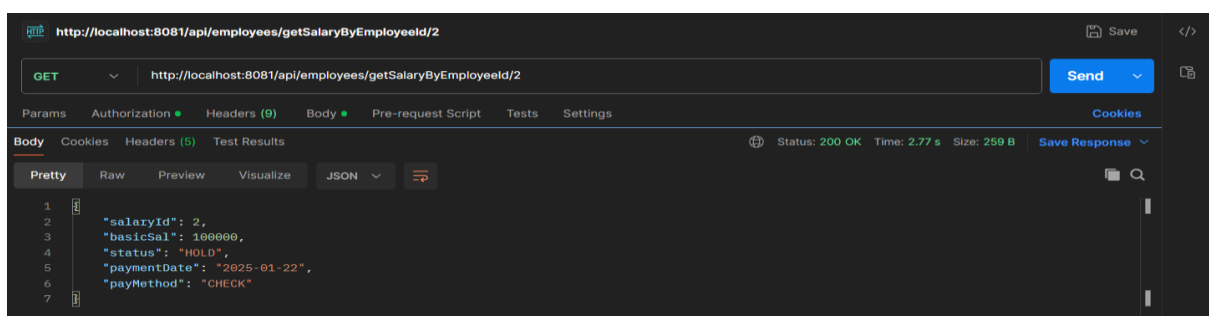
ii. If department server is DOWN and handling using circuit breaker



```
1 Department server is down! Please try again later.
```

f) Accessing salary details of employee with their ID

i. If salary server is UP and running

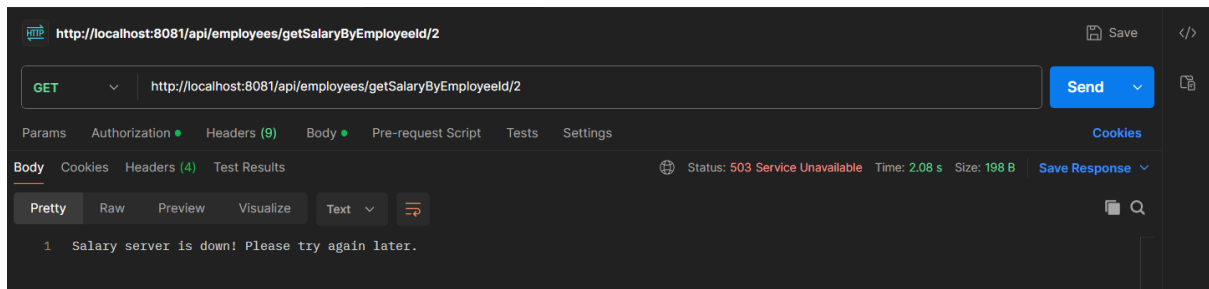


```
1 {
2   "salaryId": 2,
3   "basicSal": 100000,
4   "status": "HOLD",
5   "paymentDate": "2025-01-22",
6   "payMethod": "CHECK"
7 }
```

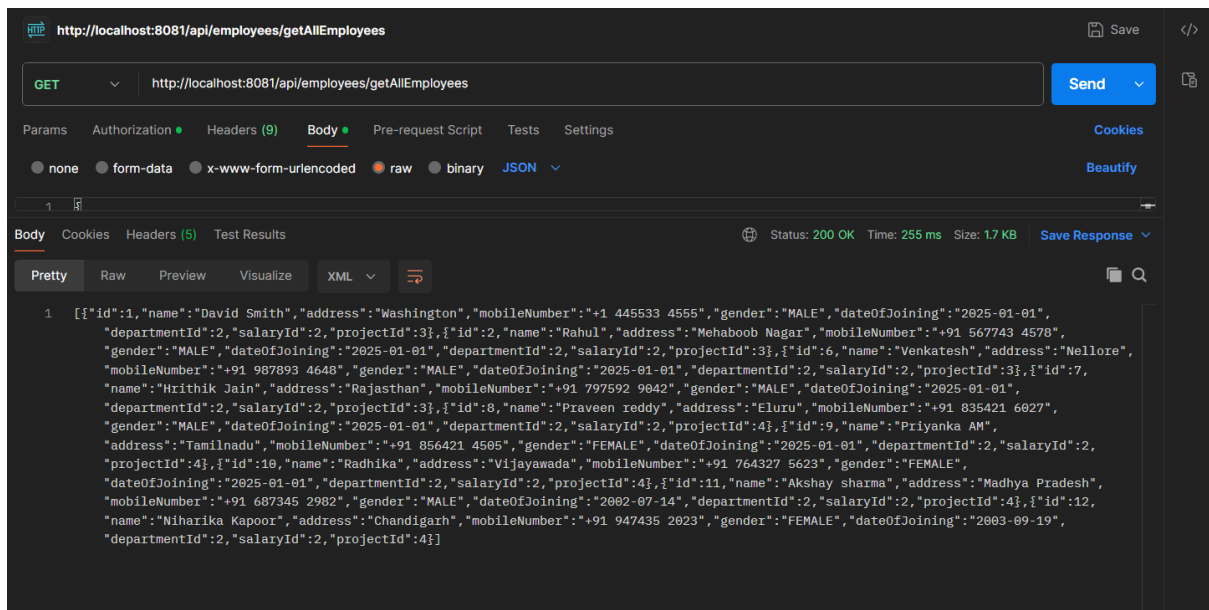
EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

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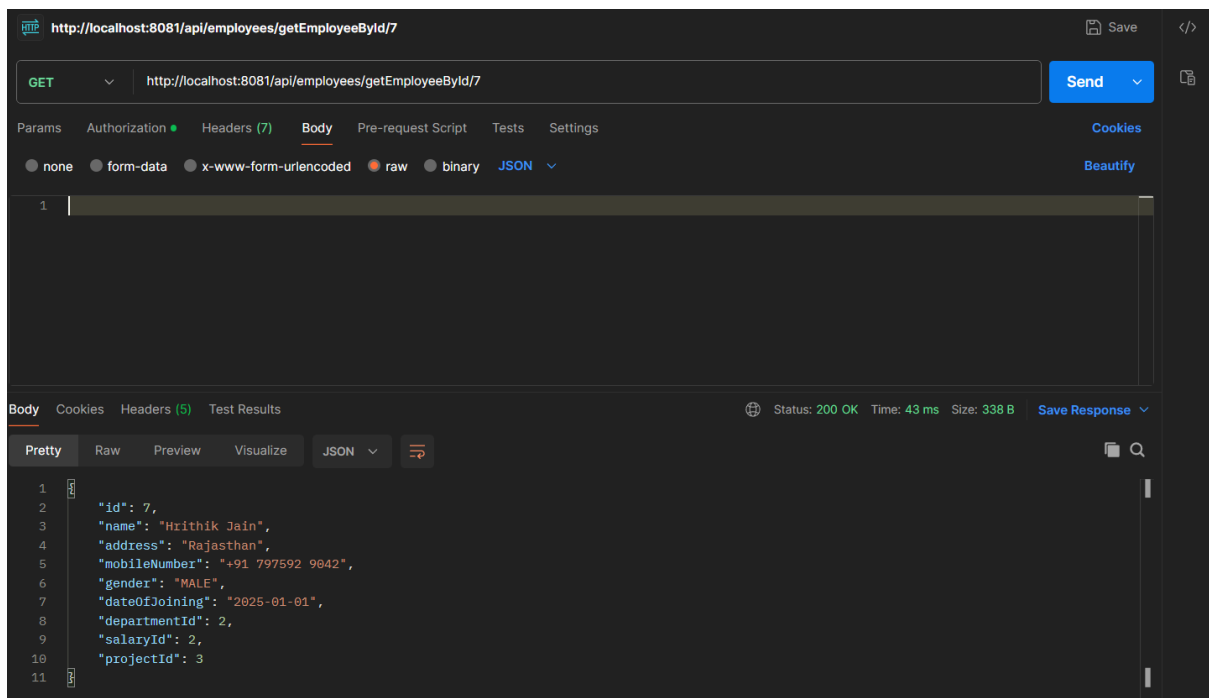
ii. If salary server is DOWN and handling using circuit breaker



g) Accessing all employee information in database

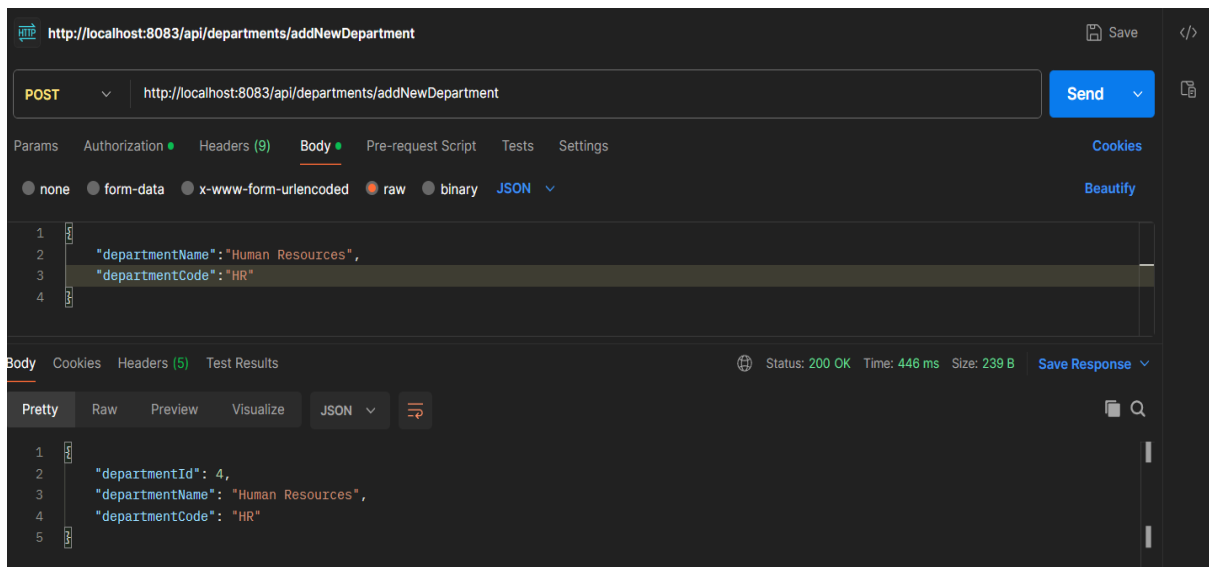


h) Accessing employee details with their respective IDs

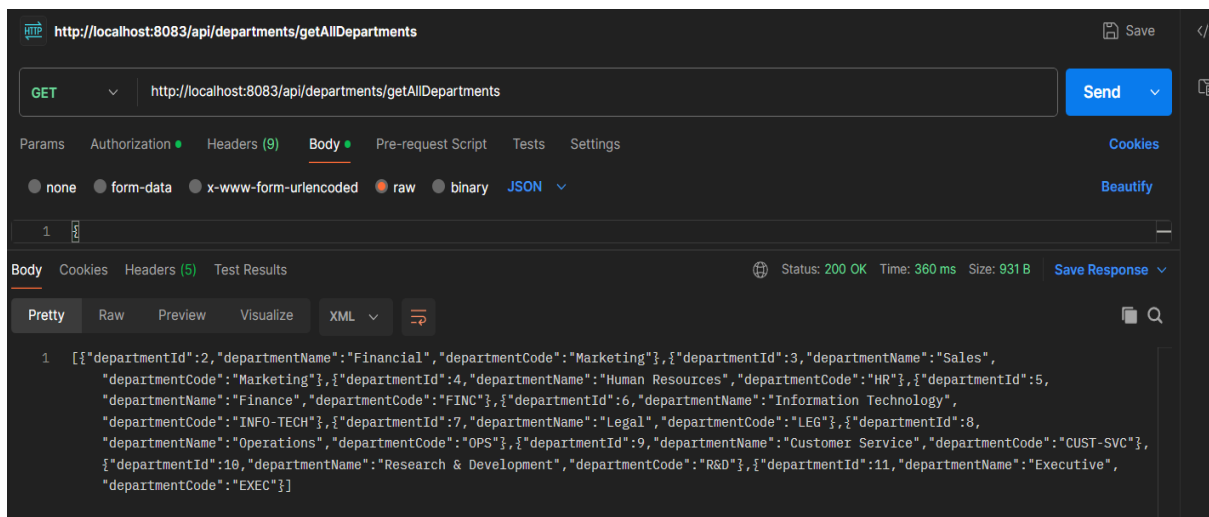


III. Department Service

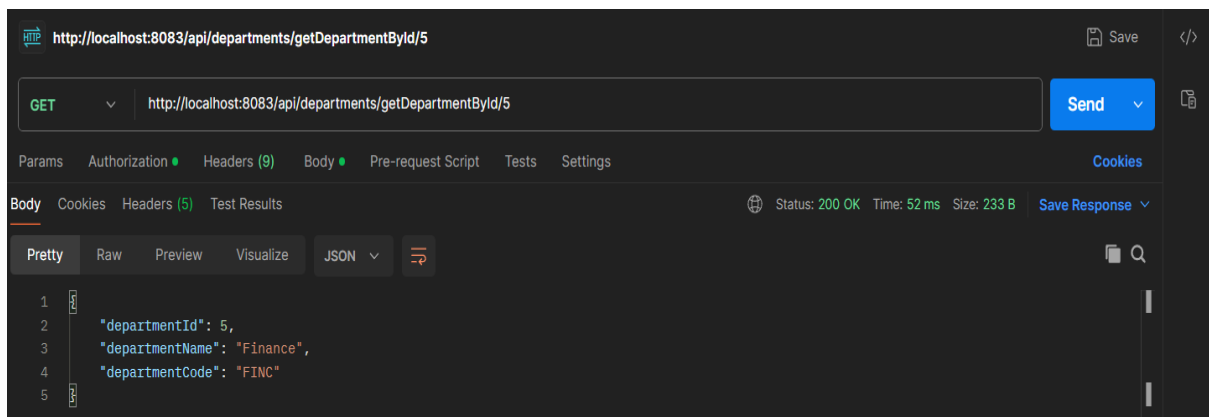
a) Posting department details



b) Accessing all department details



c) Accessing department details by their IDs

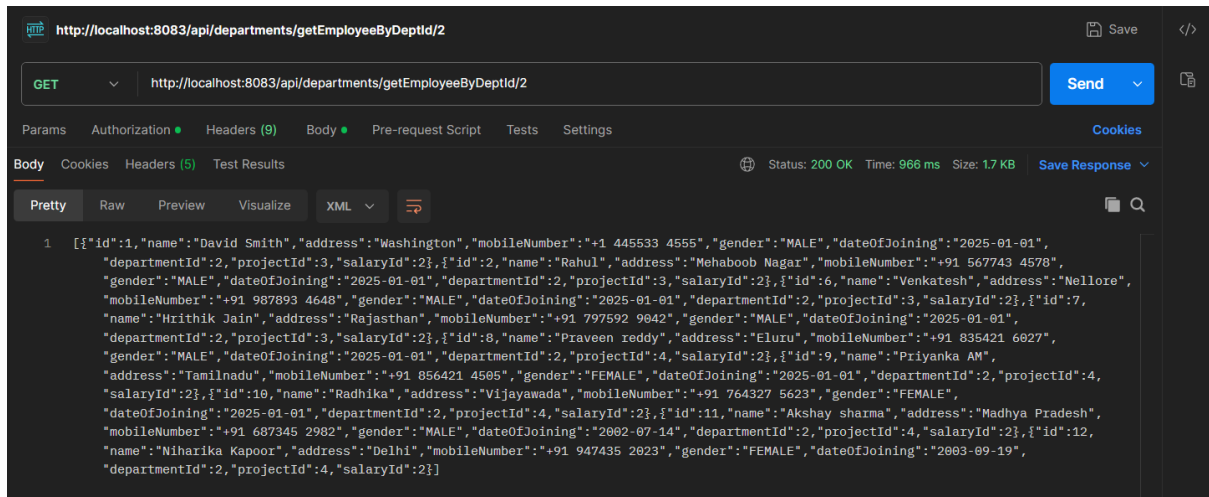


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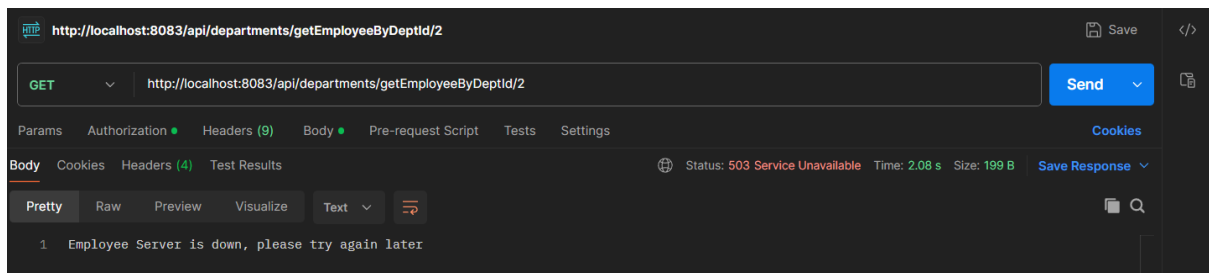
d) Retrieving all records of employees by their dept IDs

i. If employee service is UP and running



```
1 [{"id":1,"name":"David Smith","address":"Washington","mobileNumber":"+1 445533 4555","gender":"MALE","dateOfJoining":"2025-01-01",
  "departmentId":2,"projectId":3,"salaryId":2},{id":2,"name":"Rahul","address":"Mehaboob Nagar","mobileNumber":"+91 567743 4578",
  "gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":3,"salaryId":2},{id":6,"name":"Venkatesh","address":"Nellore",
  "mobileNumber":"+91 987893 4648","gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":3,"salaryId":2},{id":7,
  "name":"Hrithik Jain","address":"Rajasthan","mobileNumber":"+91 797592 9042","gender":"MALE","dateOfJoining":"2025-01-01",
  "departmentId":2,"projectId":3,"salaryId":2},{id":8,"name":"Praveen reddy","address":"Eluru","mobileNumber":"+91 835421 6027",
  "gender":"MALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":4,"salaryId":2},{id":9,"name":"Priyanka AM",
  "address":"Tamilnadu","mobileNumber":"+91 856421 4505","gender":"FEMALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":4,
  "salaryId":2},{id":10,"name":"Radhika","address":"Vijayawada","mobileNumber":"+91 764327 5623","gender":"FEMALE",
  "dateOfJoining":"2025-01-01","departmentId":2,"projectId":4,"salaryId":2},{id":11,"name":"Akshay sharma","address":"Madhya Pradesh",
  "mobileNumber":"+91 687345 2982","gender":"MALE","dateOfJoining":"2002-07-14","departmentId":2,"projectId":4,"salaryId":2},{id":12,
  "name":"Niharika Kapoor","address":"Delhi","mobileNumber":"+91 947435 2023","gender":"FEMALE","dateOfJoining":"2003-09-19",
  "departmentId":2,"projectId":4,"salaryId":2}]
```

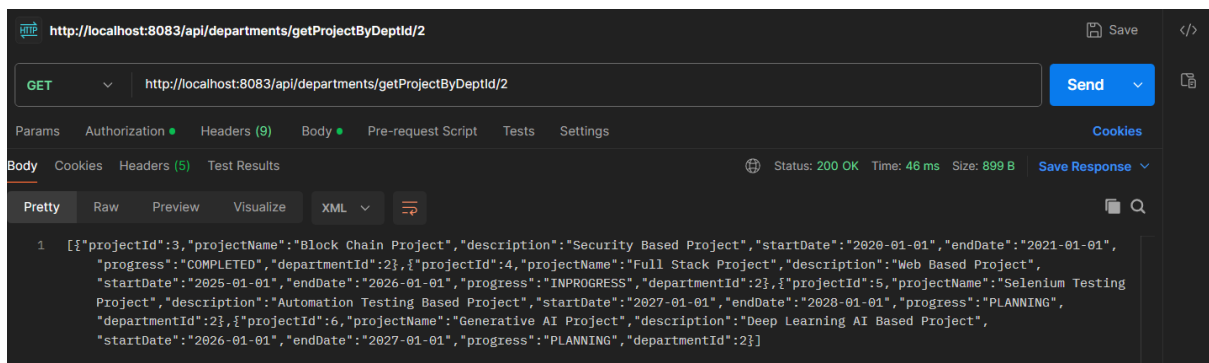
ii. If employee service is DOWN ,handling using circuit breaker



```
1 Employee Server is down, please try again later
```

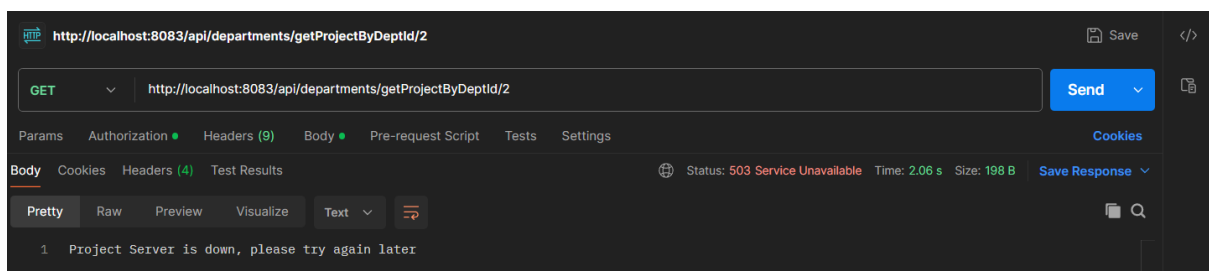
e) Retrieving all project records with their respective dept IDs

i. If project service UP and running



```
1 [{"projectId":3,"projectName":"Block Chain Project","description":"Security Based Project","startDate":"2020-01-01","endDate":"2021-01-01",
  "progress":"COMPLETED","departmentId":2},{projectId":4,"projectName":"Full Stack Project","description":"Web Based Project",
  "startDate":"2025-01-01","endDate":"2026-01-01","progress":"INPROGRESS","departmentId":2},{projectId":5,"projectName":"Selenium Testing
  Project","description":"Automation Testing Based Project","startDate":"2027-01-01","endDate":"2028-01-01","progress":"PLANNING",
  "departmentId":2},{projectId":6,"projectName":"Generative AI Project","description":"Deep Learning AI Based Project",
  "startDate":"2026-01-01","endDate":"2027-01-01","progress":"PLANNING","departmentId":2}]
```

ii. If project service is DOWN, handled using circuit breaker

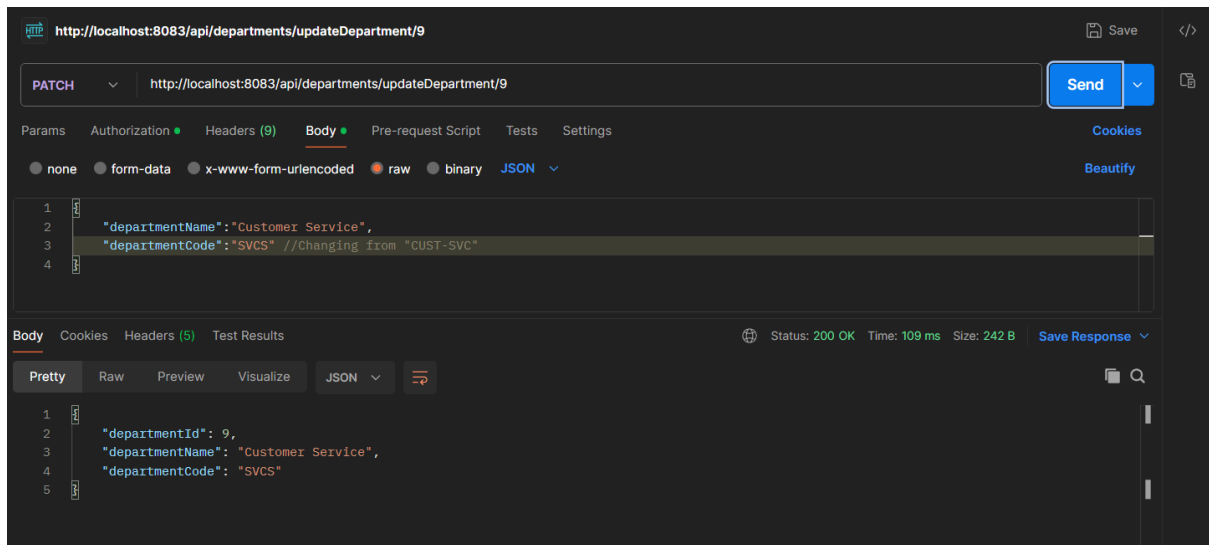


```
1 Project Server is down, please try again later
```

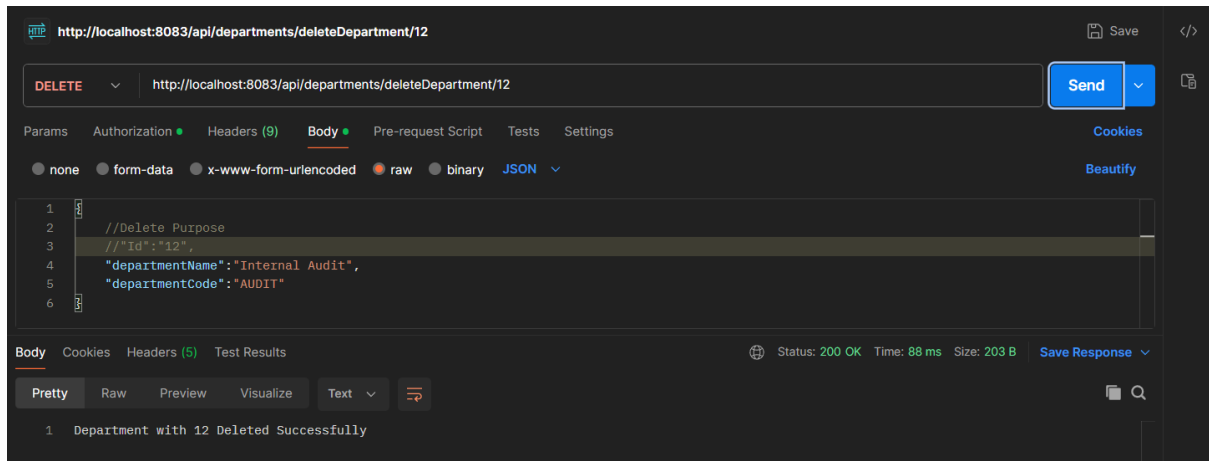
EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

f) Updating department details

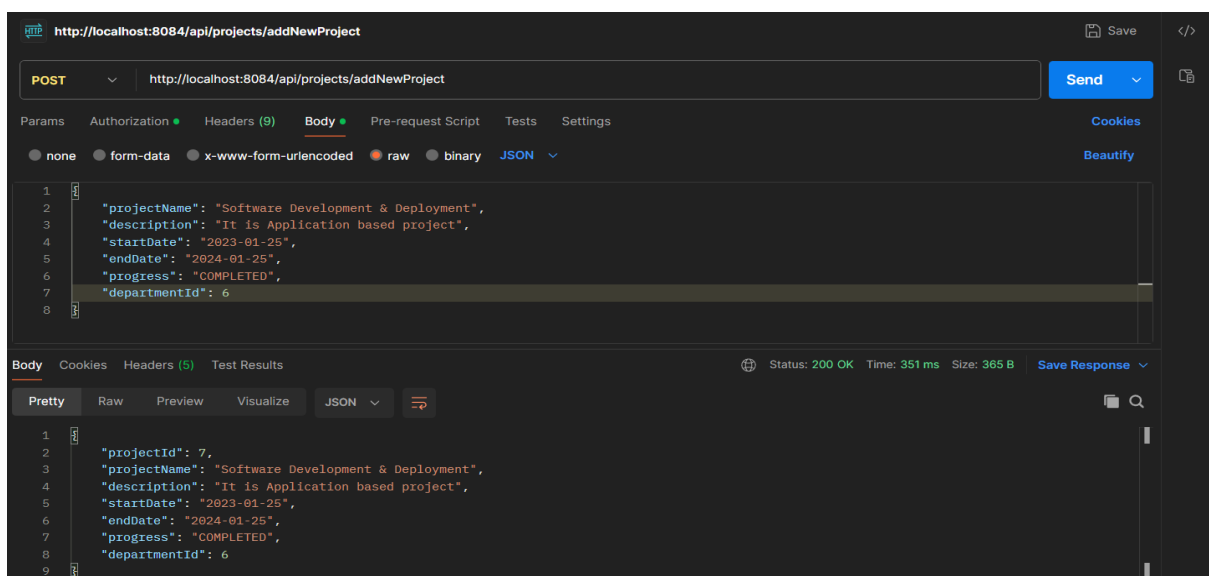


g) Deleting department details



IV. Project Service

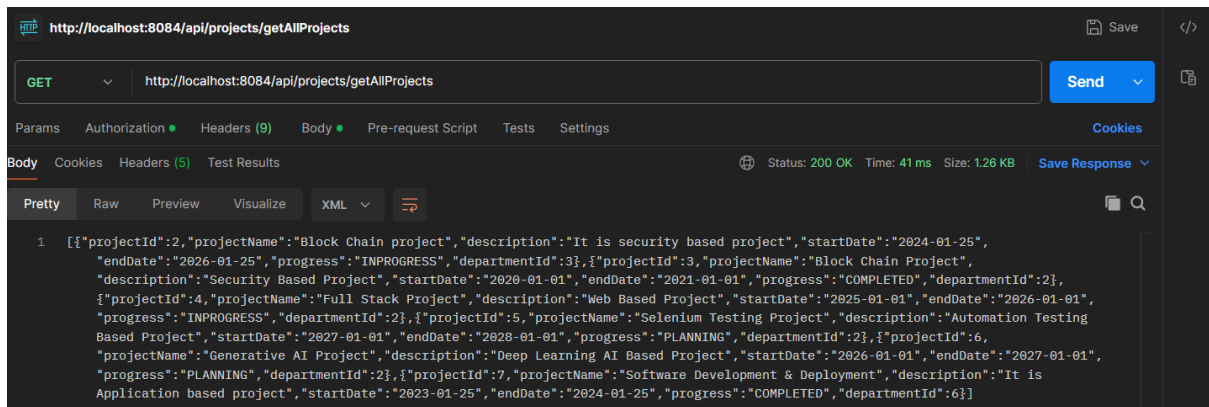
a) Posting project details



EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

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b) Accessing all project information's in database



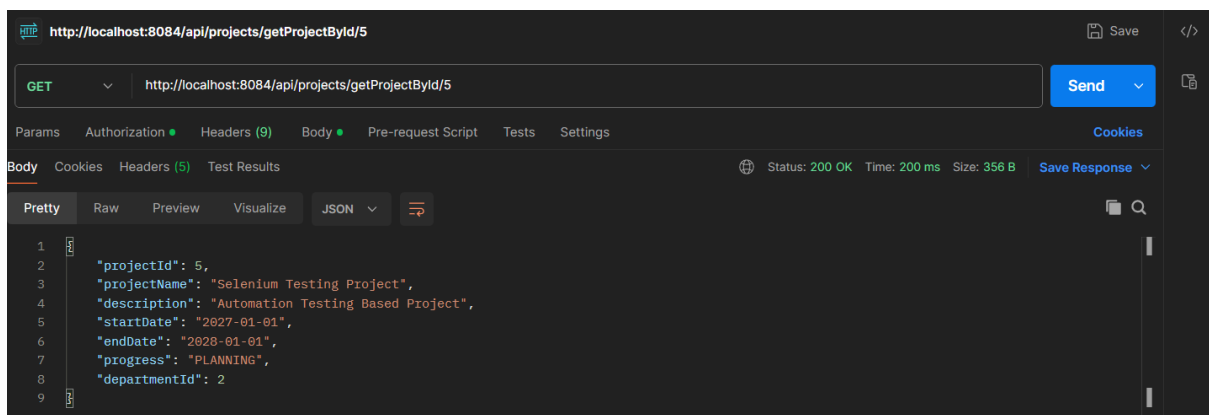
```
http://localhost:8084/api/projects/getAllProjects

GET http://localhost:8084/api/projects/getAllProjects

Status: 200 OK Time: 41 ms Size: 126 KB

1 [{"projectId":2,"projectName":"Block Chain project","description":"It is security based project","startDate":"2024-01-25",
  "endDate":"2026-01-25","progress":"INPROGRESS","departmentId":3},{projectId":3,"projectName":"Block Chain Project",
  "description":"Security Based Project","startDate":"2020-01-01","endDate":"2021-01-01","progress":"COMPLETED","departmentId":2},
  {"projectId":4,"projectName":"Full Stack Project","description":"Web Based Project","startDate":"2025-01-01","endDate":"2026-01-01",
  "progress":"INPROGRESS","departmentId":2},{projectId":5,"projectName":"Selenium Testing Project","description":"Automation Testing
  Based Project","startDate":"2027-01-01","endDate":"2028-01-01","progress":"PLANNING","departmentId":2},{projectId":6,
  "projectName":"Generative AI Project","description":"Deep Learning AI Based Project","startDate":"2026-01-01","endDate":"2027-01-01",
  "progress":"PLANNING","departmentId":2},{projectId":7,"projectName":"Software Development & Deployment","description":"It is
  Application based project","startDate":"2023-01-25","endDate":"2024-01-25","progress":"COMPLETED","departmentId":6}]
```

c) Requesting project information with their project IDs



```
http://localhost:8084/api/projects/getProjectById/5

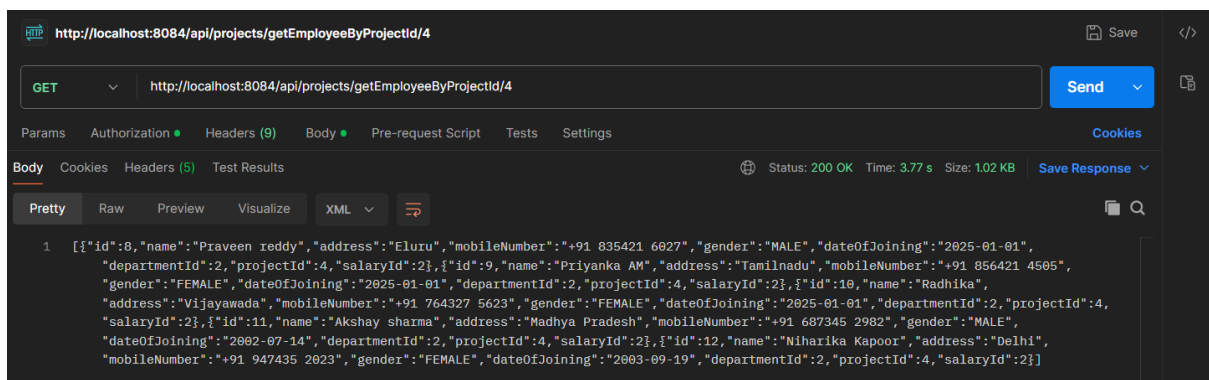
GET http://localhost:8084/api/projects/getProjectById/5

Status: 200 OK Time: 200 ms Size: 356 B

1 {"projectId": 5,
  "projectName": "Selenium Testing Project",
  "description": "Automation Testing Based Project",
  "startDate": "2027-01-01",
  "endDate": "2028-01-01",
  "progress": "PLANNING",
  "departmentId": 2}
```

d) Getting employee information using project IDs

i. If employee service is UP and running



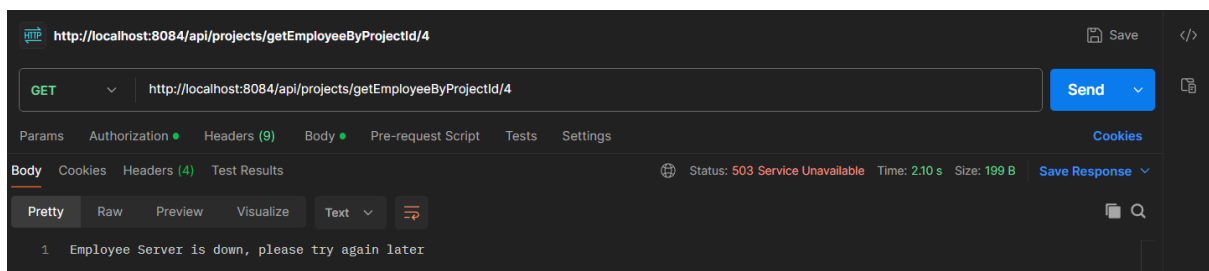
```
http://localhost:8084/api/projects/getEmployeeByProjectId/4

GET http://localhost:8084/api/projects/getEmployeeByProjectId/4

Status: 200 OK Time: 3.77 s Size: 1.02 KB

1 [{"id":8,"name":"Praveen reddy","address":"Eluru","mobileNumber":"+91 835421 6027","gender":"MALE","dateOfJoining":"2025-01-01",
  "departmentId":2,"projectId":4,"salaryId":2},{id":9,"name":"Priyanka AM","address":"Tamilnadu","mobileNumber":"+91 856421 4505",
  "gender":"FEMALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":4,"salaryId":2},{id":10,"name":"Radhika",
  "address":"Vijayawada","mobileNumber":"+91 764327 5623","gender":"FEMALE","dateOfJoining":"2025-01-01","departmentId":2,"projectId":4,
  "salaryId":2},{id":11,"name":"Akshay sharma","address":"Madhya Pradesh","mobileNumber":"+91 687345 2982","gender":"MALE",
  "dateOfJoining":"2002-07-14","departmentId":2,"projectId":4,"salaryId":2},{id":12,"name":"Niharika Kapoor","address":"Delhi",
  "mobileNumber":"+91 947435 2023","gender":"FEMALE","dateOfJoining":"2003-09-19","departmentId":2,"projectId":4,"salaryId":2}]
```

ii. If employee service is DOWN , handled using circuit breaker



```
http://localhost:8084/api/projects/getEmployeeByProjectId/4

GET http://localhost:8084/api/projects/getEmployeeByProjectId/4

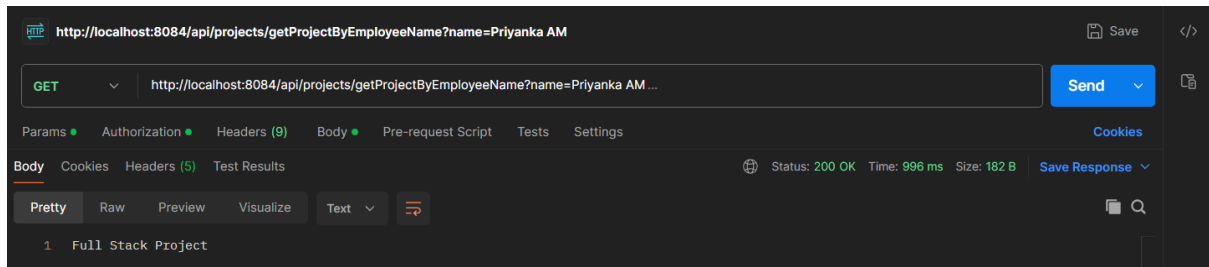
Status: 503 Service Unavailable Time: 2.10 s Size: 199 B

1 Employee Server is down, please try again later
```

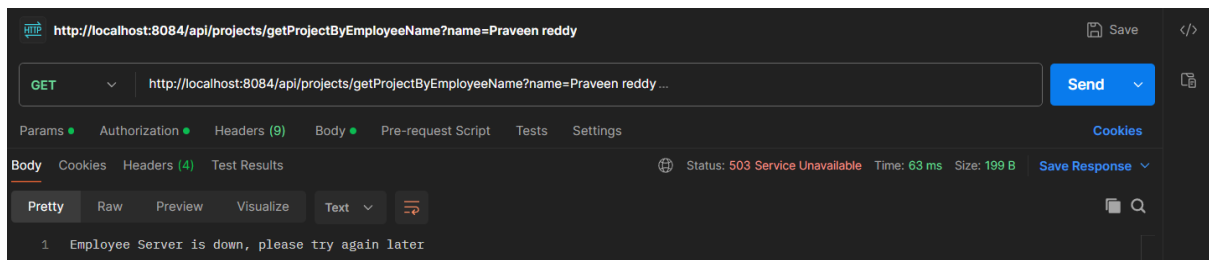

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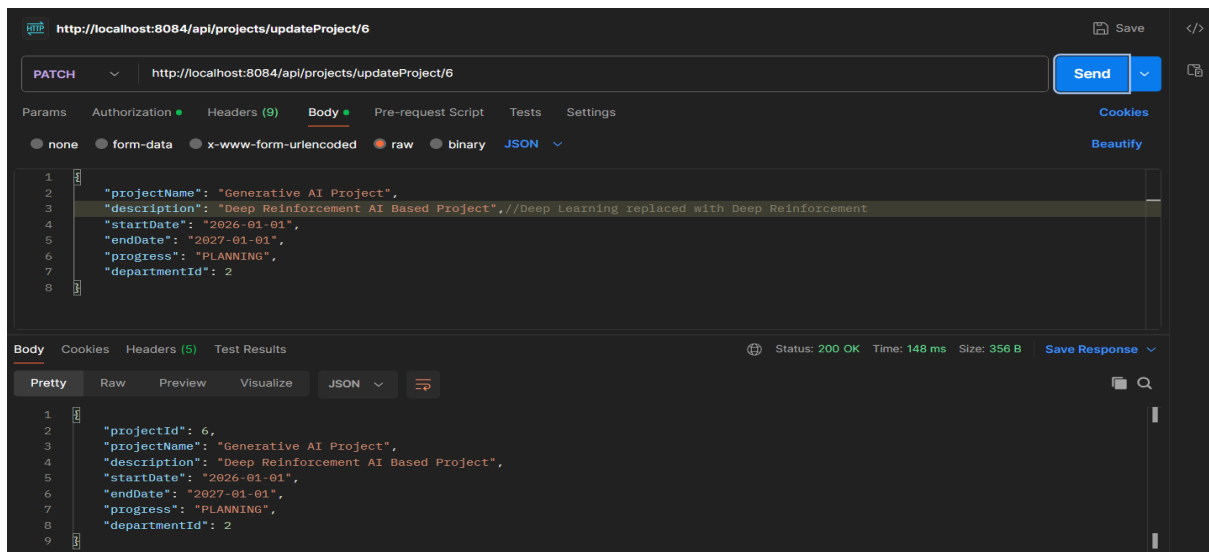
- e) Accessing project name with particular employee name
 - i. If employee service is UP and running



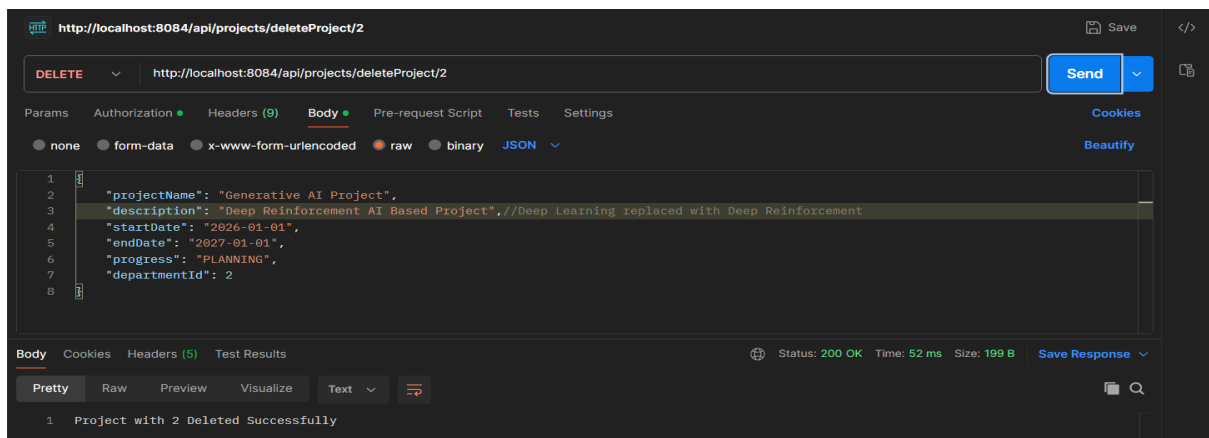
- ii. If employee service is DOWN , handled using circuit breaker



- f) Updating project details



- g) Deleting project details

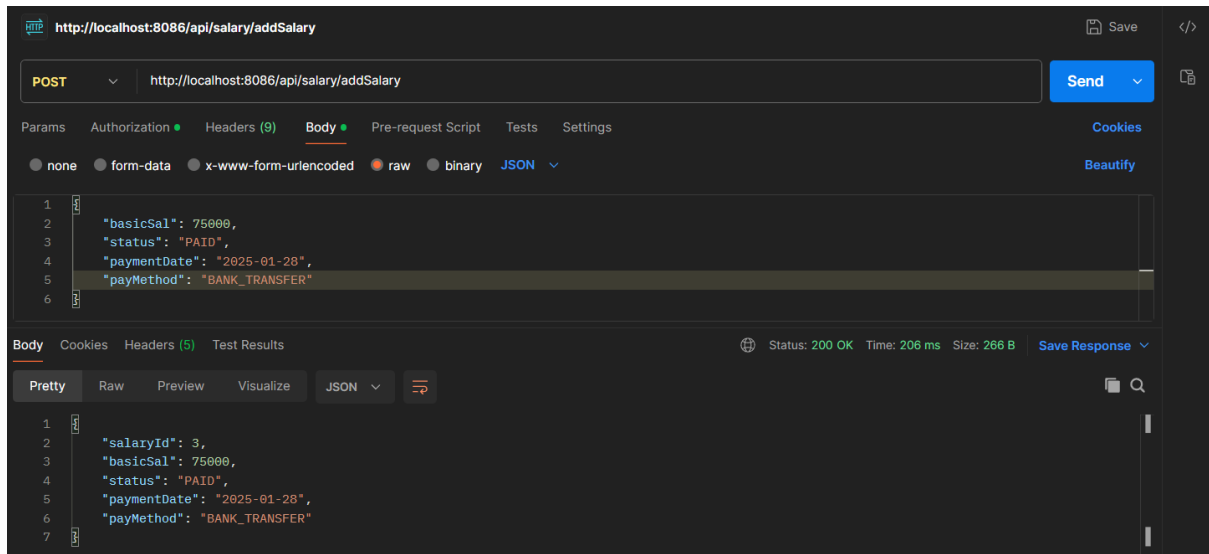


EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

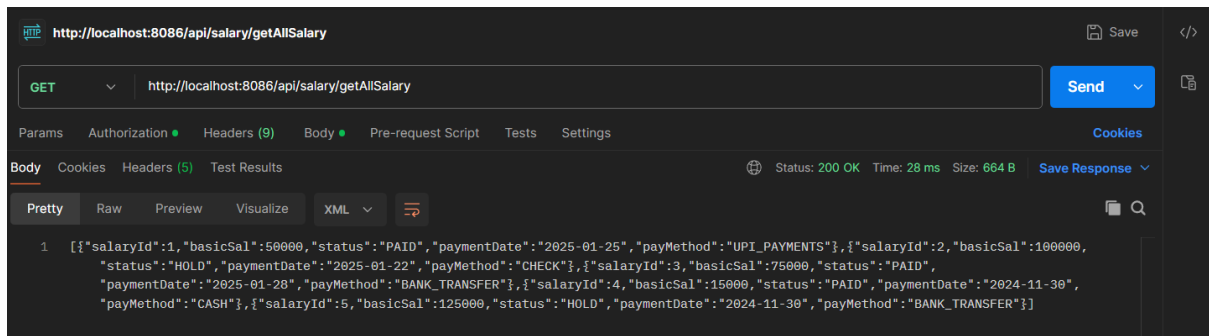
BY KOMMOJU NAGA RAJESWAR ROHIT

V. Salary Service

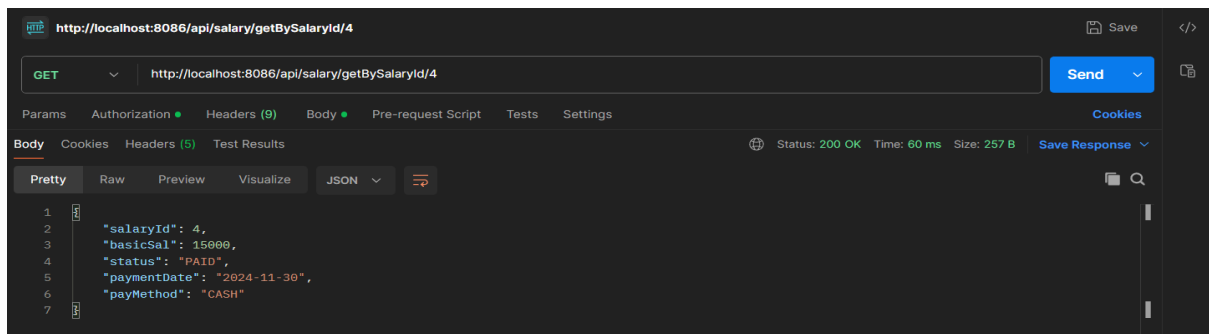
a) Posting salary details



b) Retrieving all salary records

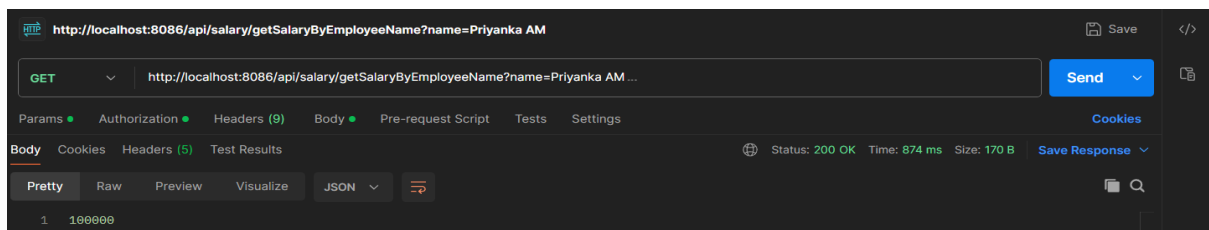


c) Accessing salary details with particular salary IDs



d) Accessing salary with particular employee name

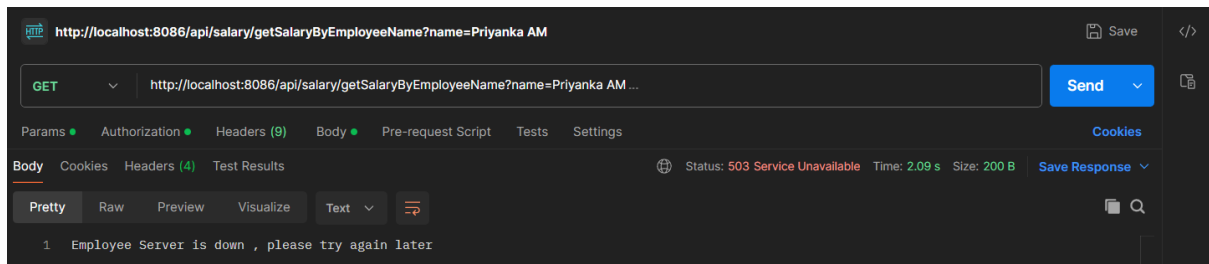
i. If employee service is UP and running



EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

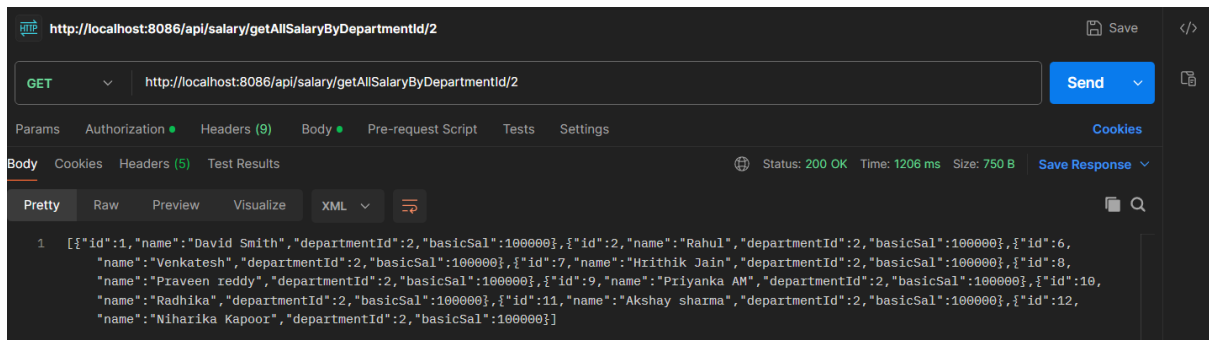
BY KOMMOJU NAGA RAJESWAR ROHIT

ii. If employee service is DOWN , handled using circuit breaker

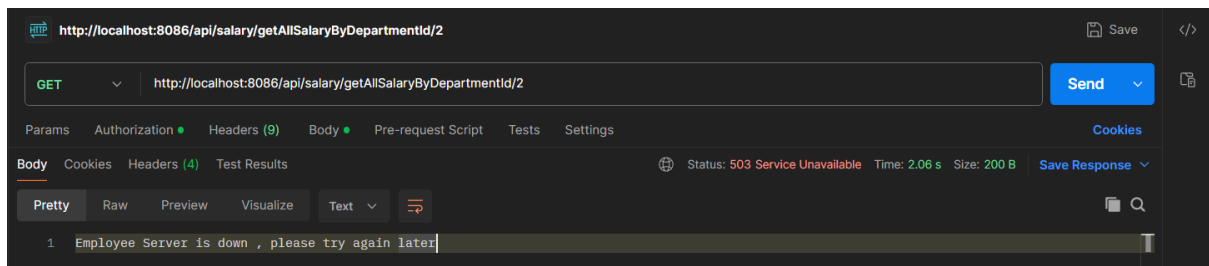


e) Accessing all employee salaries within the particular department

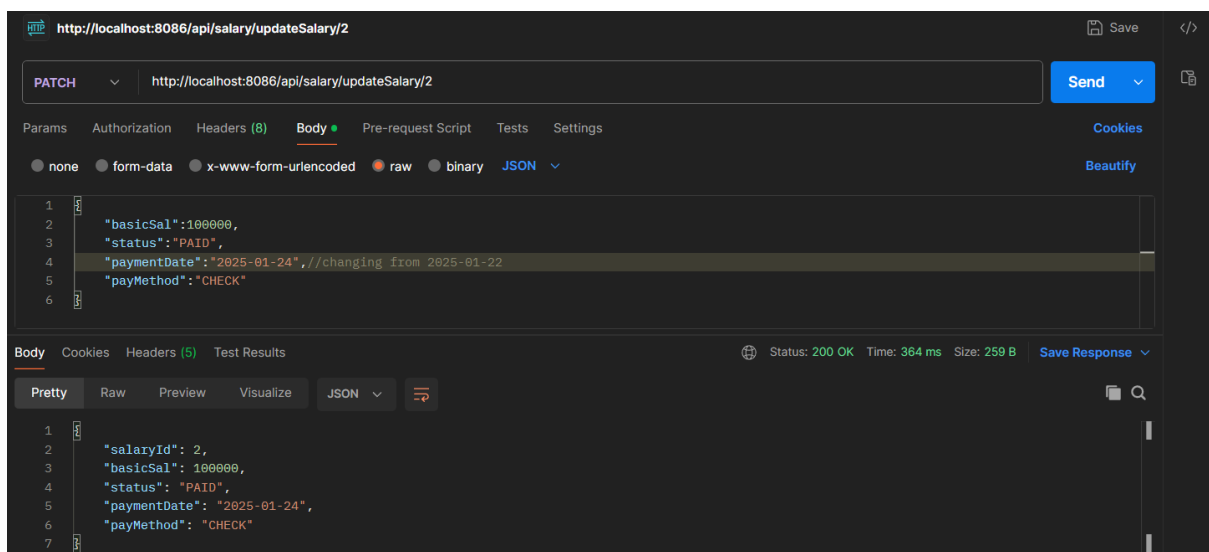
i. If employee service is UP and running



ii. If employee service is DOWN , handled using circuit breaker



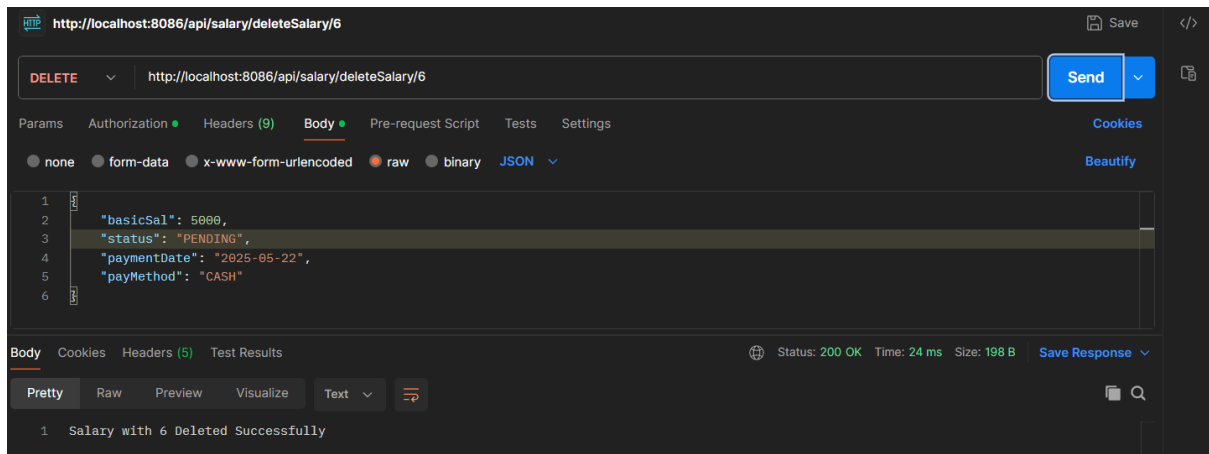
f) Updating salary record



EMPLOYEE MANAGEMENT MICROSERVICES PROJECTASSIGNMENTS OUTPUTS

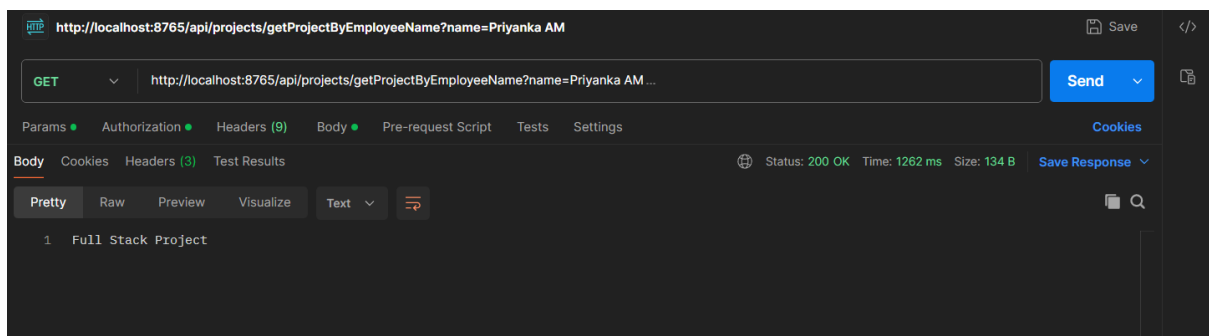
BY KOMMOJU NAGA RAJESWAR ROHIT

g) Deleting salary record

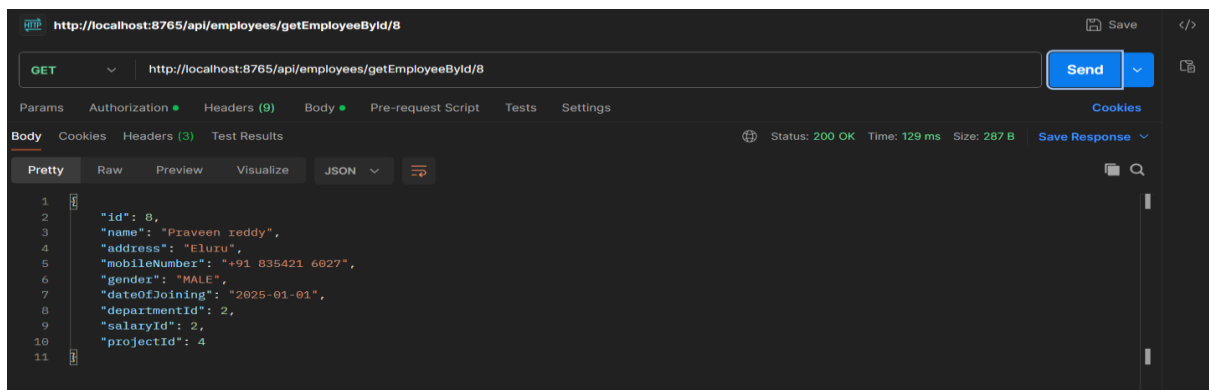


VI. API-GATEWAY

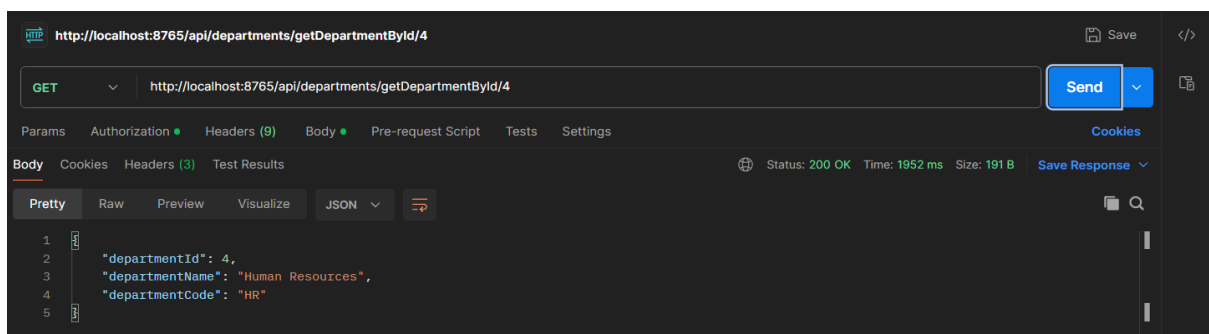
a) Its accessing project service details



b) Its accessing employee service details



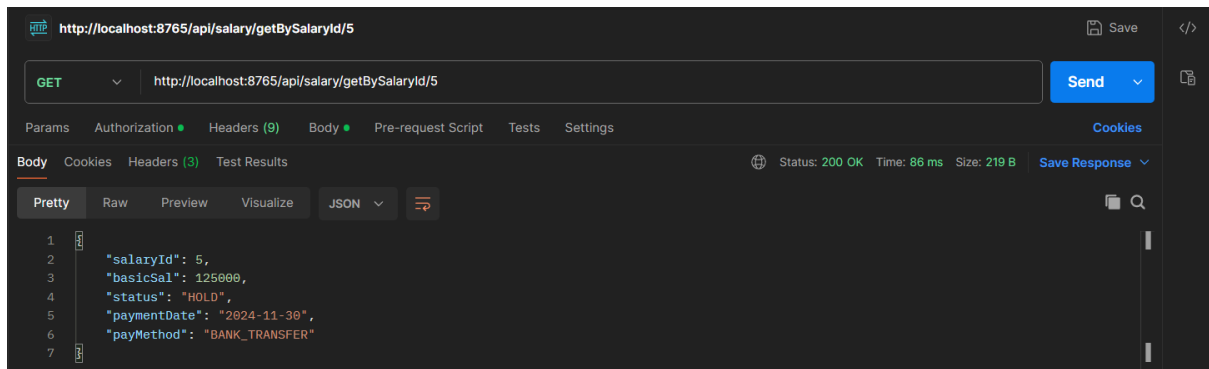
c) Its accessing department service details



EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

d) Its accessing salary service details



VII. All Services are UP and running with their respective port numbers



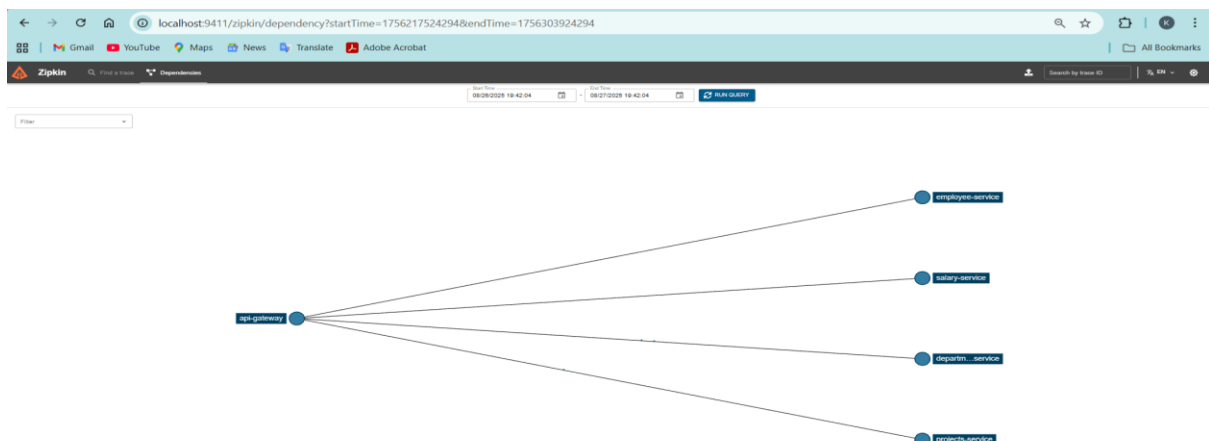
VIII. Zipkin Server

a) Tracing all the requests raised by the API-Gateway

The screenshot shows the Zipkin web interface with the service name set to API-Gateway. The table below lists the traces for the API-Gateway service.

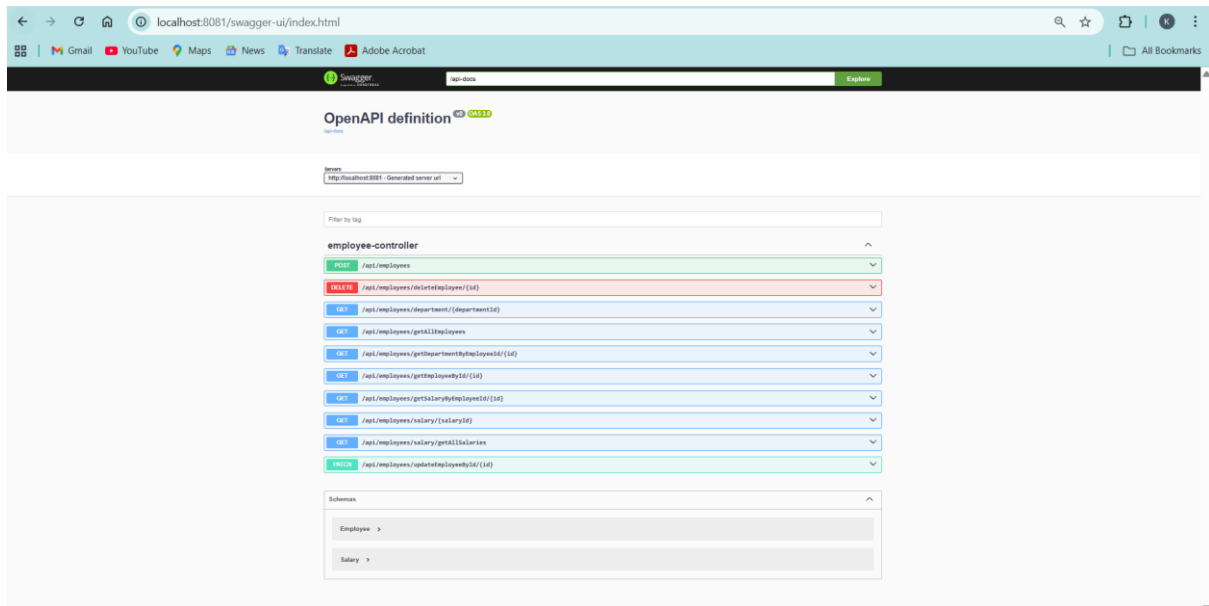
Root	Start Time	Spans	Duration	
employee-service: http get	a few seconds ago (08/27 19:42:35.966)	1	19.351ms	SHOW
employee-service: http get	a few seconds ago (08/27 19:43:06.000)	1	18.756ms	SHOW
employee-service: http put	a few seconds ago (08/27 19:43:05.984)	1	18.720ms	SHOW
salary-service: http get	a few seconds ago (08/27 19:42:37.794)	1	18.694ms	SHOW
projects-service: http get	a few seconds ago (08/27 19:42:41.213)	1	18.511ms	SHOW
employee-service: http put	a few seconds ago (08/27 19:42:35.951)	1	18.192ms	SHOW
departments-service: http get	a few seconds ago (08/27 19:43:01.101)	1	17.562ms	SHOW
projects-service: http put	a few seconds ago (08/27 19:42:40.979)	1	17.538ms	SHOW
salary-service: http put	a few seconds ago (08/27 19:42:37.764)	1	17.216ms	SHOW
departments-service: http put	a few seconds ago (08/27 19:43:01.040)	1	16.691ms	SHOW

b) Tracing representation , how its connecting with all services

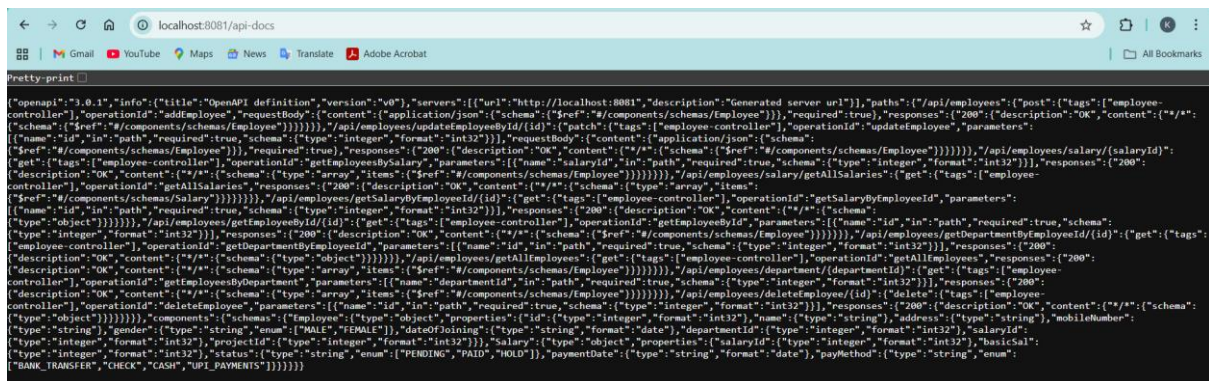


IX. Swagger and API docs

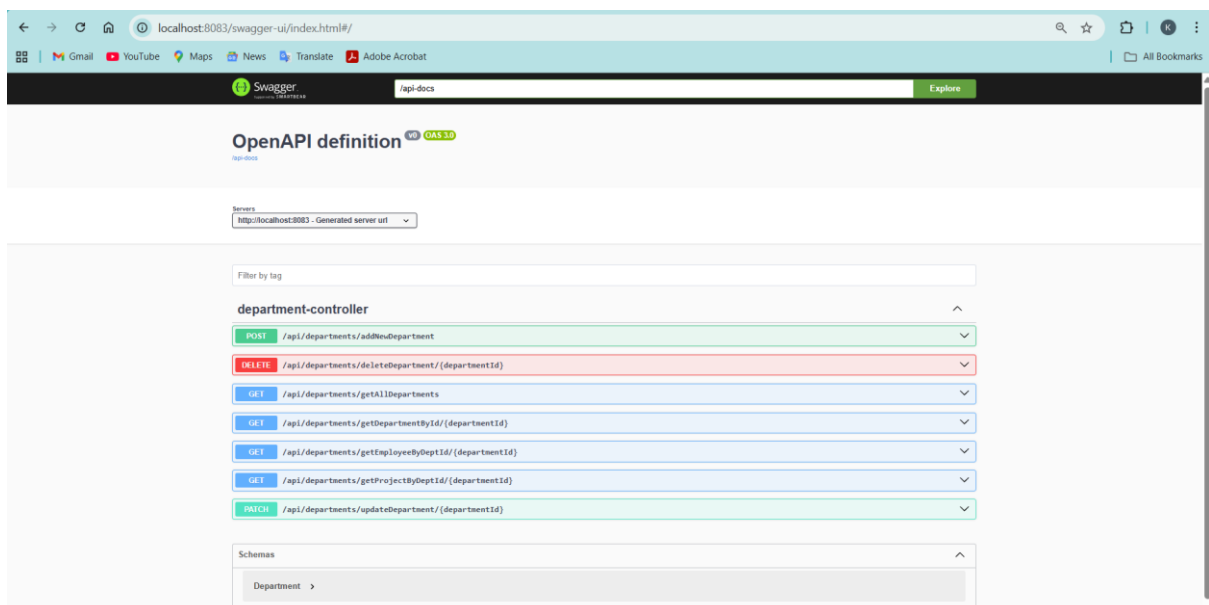
a) Swagger UI for employee service



b) API docs for employee service



c) Swagger UI for department service



EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

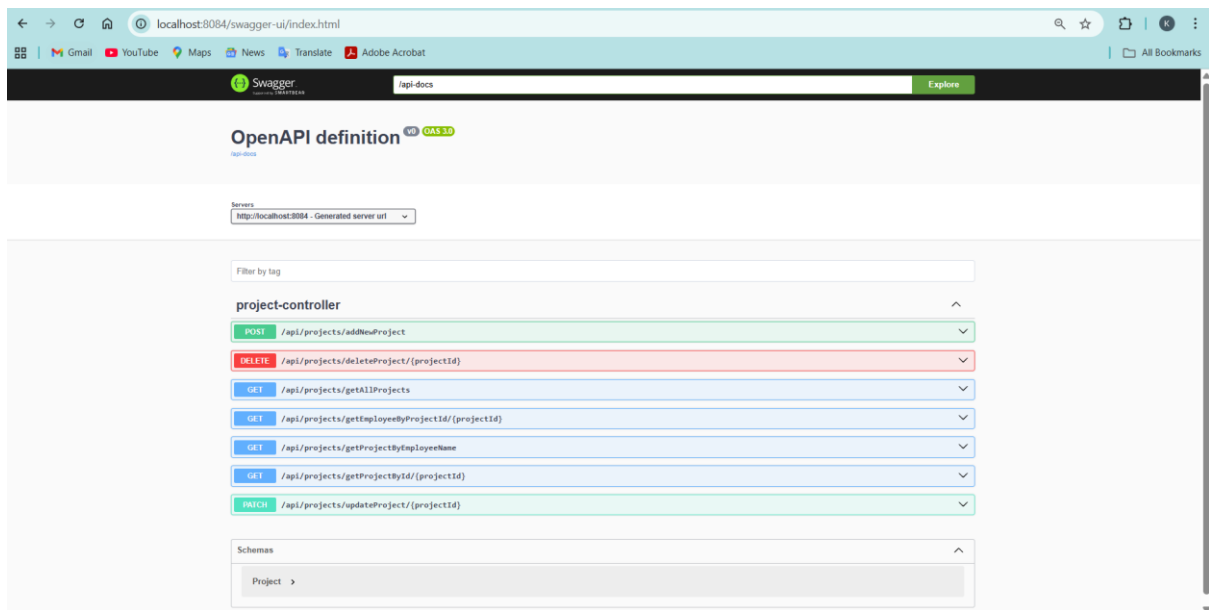
BY KOMMOJU NAGA RAJESWAR ROHIT

d) API docs for department service

```
localhost:8083/api-docs

{"openapi":"3.0.1","info":{"title":"OpenAPI definition","version":"v0"},"servers":[{"url":"http://localhost:8083","description":"Generated server url"}],"paths":{"/api/departments/addNewDepartment":{"post":{"tags":["department-controller"],"operationId":"addDept","requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Department"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Department"}}}}},"patch":{"tags":["department-controller"],"operationId":"updateDept","parameters":[{"name":"departmentId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Department"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Department"}}}}}}},"/api/departments/getProjectByDeptId/{departmentId":{"get":{"tags":["department-controller"],"operationId":"getProjectsByDepartmentId","parameters":[{"name":"departmentId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"object"}}}}}}},"/api/departments/getEmployeeByDeptId/{departmentId":{"get":{"tags":["department-controller"],"operationId":"getEmployeesByDepartmentId","parameters":[{"name":"departmentId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"object"}}}}}}},"/api/departments/getDepartmentById/{departmentId":{"get":{"tags":["department-controller"],"operationId":"getDepartmentById","parameters":[{"name":"departmentId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Department"}}}}}}},"/api/departments/getAllDepartments":{"get":{"tags":["department-controller"],"operationId":"getAllDept","responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"array","items":{"$ref":"#/components/schemas/Department"}}}}}}},"/api/departments/deleteDepartment/{departmentId":{"delete":{"tags":["department-controller"],"operationId":"deleteDept","parameters":[{"name":"departmentId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"string"}}}}}}},"components":{"schemas":{"Department":{"type":"object","properties":{"departmentId":{"type":"integer","format":"int32"},"departmentName":{"type":"string"},"departmentCode":{"type":"string"}}}}}}}
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e) Swagger UI for project service



f) API docs for project service

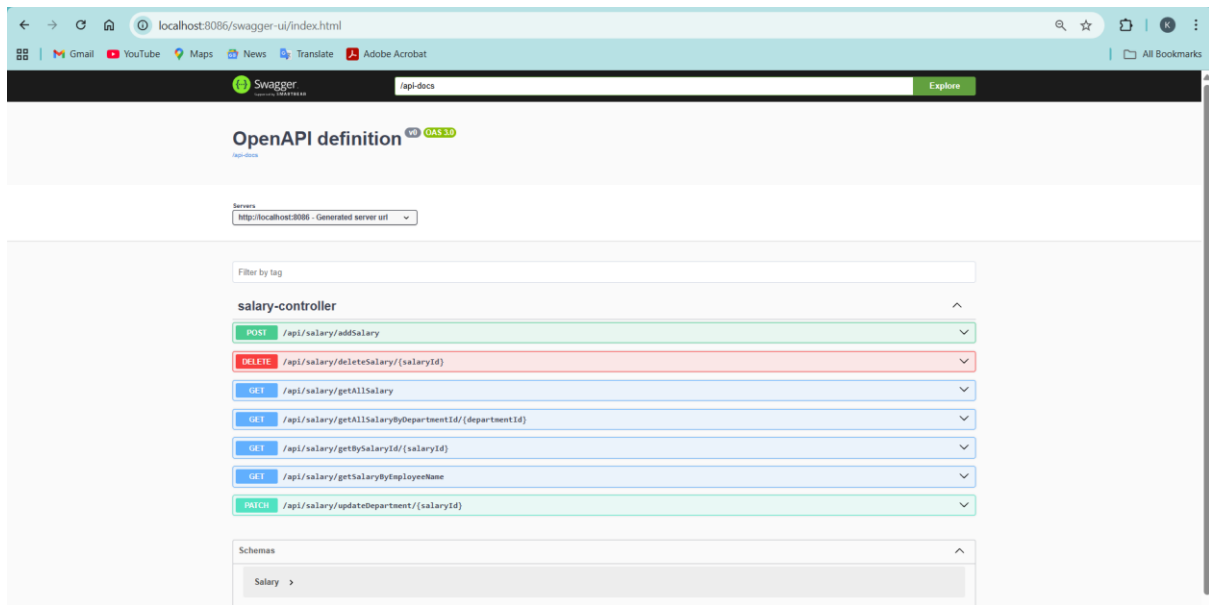
```
localhost:8084/api-docs

{"openapi":"3.0.1","info":{"title":"OpenAPI definition","version":"v0"},"servers":[{"url":"http://localhost:8084","description":"Generated server url"}],"paths":{"/api/projects/addNewProject":{"post":{"tags":["project-controller"],"operationId":"createProject","requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Project"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Project"}}}}}}},"/api/projects/updateProject/{projectId":{"patch":{"tags":["project-controller"],"operationId":"updateProject","parameters":[{"name":"projectId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"requestBody":{"content":{"application/json":{"schema":{"$ref":"#/components/schemas/Project"}}},"required":true},"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Project"}}}}}}},"/api/projects/getProjectById/{projectId":{"get":{"tags":["project-controller"],"operationId":"getProjectById","parameters":[{"name":"projectId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"$ref":"#/components/schemas/Project"}}}}}}},"/api/projects/getProjectByEmployeeName":{"get":{"tags":["project-controller"],"operationId":"getProjectByEmployeeName","parameters":[{"name":"name","in":"query","required":true,"schema":{"type":"string"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"object"}}}}}}},"/api/projects/getEmployeeByProjectId/{projectId":{"get":{"tags":["project-controller"],"operationId":"getEmployeeByProjectId","parameters":[{"name":"projectId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"object"}}}}}}},"/api/projects/getAllProjects":{"get":{"tags":["project-controller"],"operationId":"getProjects","responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"array","items":{"$ref":"#/components/schemas/Project"}}}}}}},"/api/projects/deleteProject/{projectId":{"delete":{"tags":["project-controller"],"operationId":"deleteProject","parameters":[{"name":"projectId","in":"path","required":true,"schema":{"type":"integer","format":"int32"}}],"responses":{"200":{"description":"OK","content":{"*/":{"schema":{"type":"string"}}}}}}},"components":{"schemas":{"Project":{"type":"object","properties":{"projectId":{"type":"integer","format":"int32"},"projectName":{"type":"string"},"description":{"type":"string"},"startDate":{"type":"string","format":"date"},"endDate":{"type":"string","format":"date"},"progress":{"type":"string","enum":["PLANNING","INPROGRESS","COMPLETED","CANCELLED"]},"departmentId":{"type":"integer","format":"int32"}}}}}}}
```

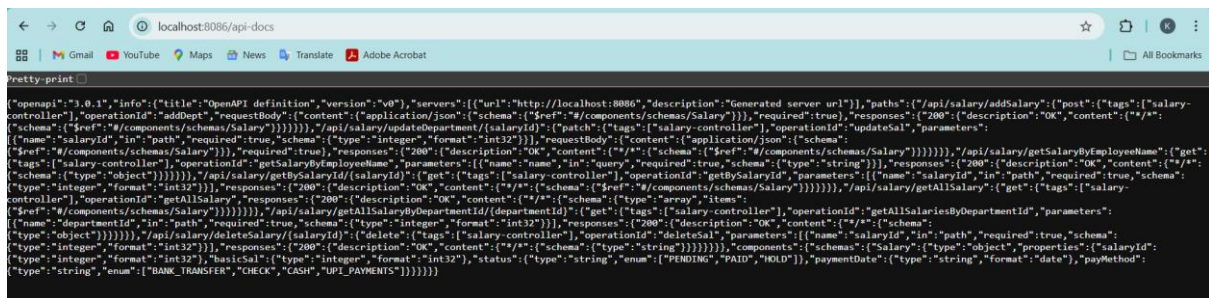

EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

BY KOMMOJU NAGA RAJESWAR ROHIT

g) Swagger UI for salary service

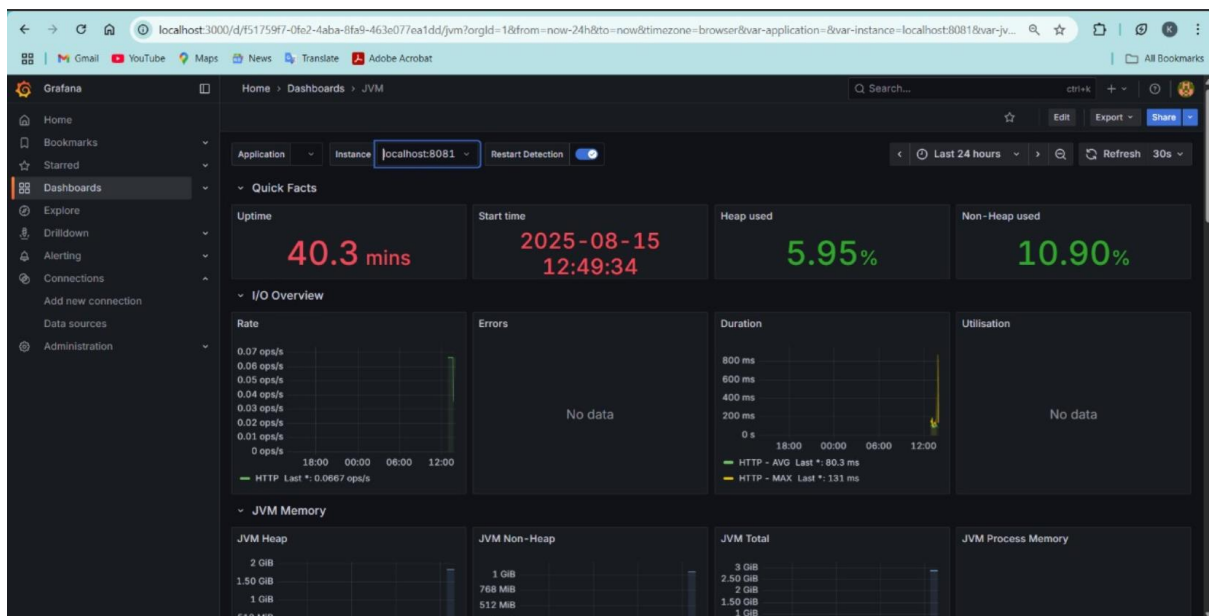


h) API docs for salary service



X. Prometheus & Grafana

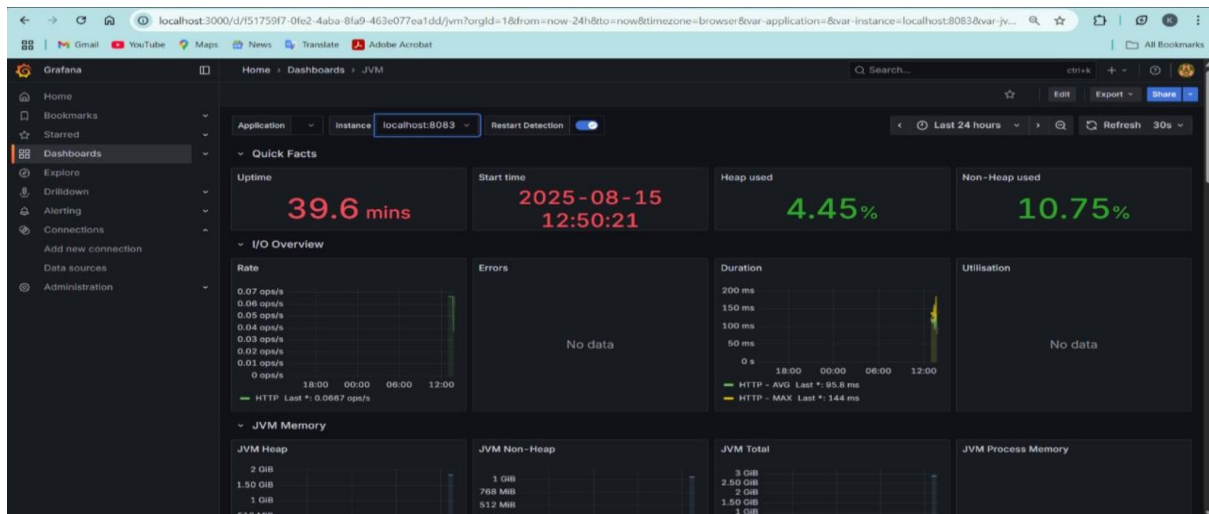
a) For Employee Service



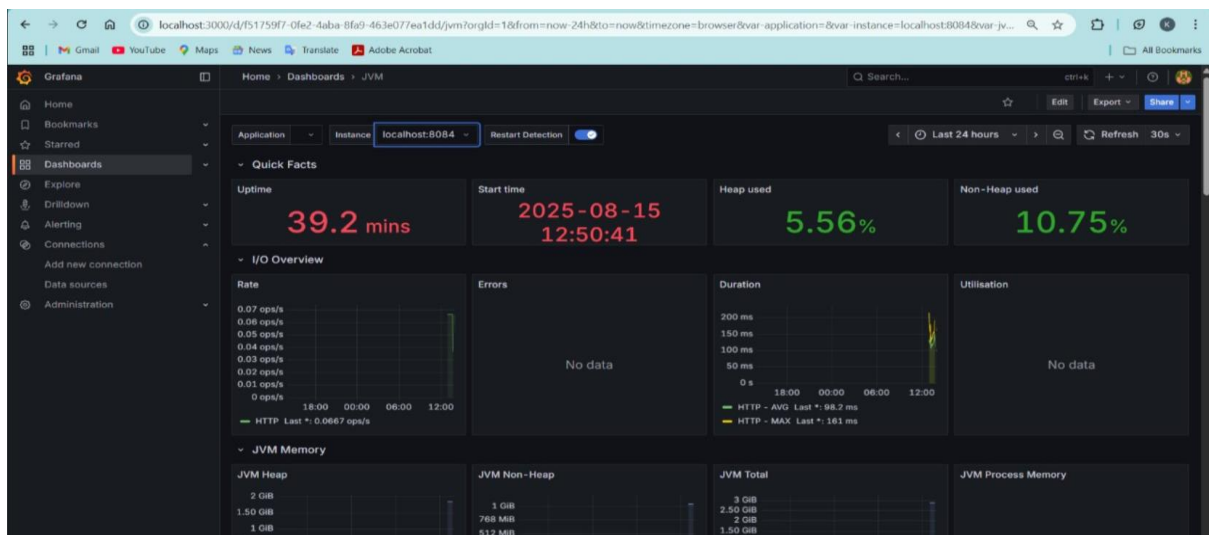
EMPLOYEE MANAGEMENT MICROSERVICES PROJECT ASSIGNMENTS OUTPUTS

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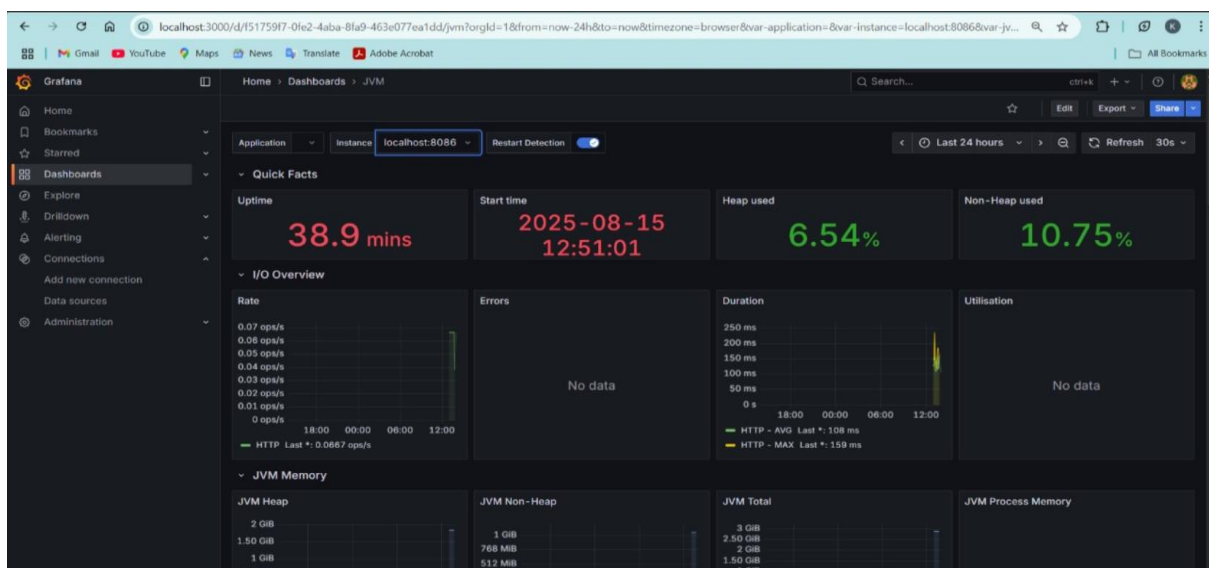
b) For Department Service



c) For Project Service



d) For Salary Service



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e) For API-GATEWAY

