PayPal Test

1. **Add Employee**

Http Method: POST

For creating/saving an employee object to the in-memory database.

The Employee entity has a OneToOne relationship with Address entity and has-a Address.

The Employee entity has primary key as Id which is non-auto generated.

The Address entity has primary key as Id and is joined by Employee object.

The reason to select as non-auto generated Id in Employee entity is solely to make the saving of records as Idempotent.

Rather than adding this load on the database and identifying for DataIntegrityViolation, in this code that responsibility is given to the client.

The client can request for Idempotency-Key from Idempotency-Key-Generator service which can keep keys ready in advance and would safely delete the keys in scheduled duration.

This key can be thus passed in every request while requesting the service to create a new record.

In case of a duplicate matching, 409 CONFLICT is returned with the requested object.

1. **Get Employee By Id**

Http Method: GET

In case the employee object is not found by Id, 404 NOT\_FOUND is returned.

**Run code:**

mvn clean install

**API SPEC:**

POST

curl -X POST \

http://localhost:8080/v1/bfs/employees \

-H 'cache-control: no-cache' \

-H 'content-type: application/json' \

-H 'idempotency-key: 1001' \

-H 'postman-token: bbc9e1a5-999a-1d7b-c593-1a0cb80917b9' \

-d '{

"first\_name": "Mayank2",

"last\_name": "Sinha",

"dob": "1989-11-06",

"address": {

"line1": "Kedar Enclave",

"line2": "Doranda",

"city": "Ranchi",

"state": "Jharkhand",

"country": "India",

"zipcode": 834002

}

}'

201 CREATED

Graphical user interface, text, application, email

Description automatically generated

POST

curl -X POST \

http://localhost:8080/v1/bfs/employees \

-H 'cache-control: no-cache' \

-H 'content-type: application/json' \

-H 'idempotency-key: 1001' \

-H 'postman-token: 1b5ed311-7ab2-5586-4e71-09bec0f8e4ee' \

-d '{

"first\_name": "Mayank2",

"last\_name": "Sinha",

"dob": "1989-11-06",

"address": {

"line1": "Kedar Enclave",

"line2": "Doranda",

"city": "Ranchi",

"state": "Jharkhand",

"country": "India",

"zipcode": 834002

}

}'

409 CONFLICT

Graphical user interface, text, application, email

Description automatically generated

GET

404 NOT FOUND

Graphical user interface, text, application, email

Description automatically generated

GET

curl -X GET \

http://localhost:8080/v1/bfs/employees/100 \

-H 'cache-control: no-cache' \

-H 'postman-token: c29c45da-5507-f820-6f8b-d4a41ade31cd'

200 OK

Graphical user interface, text, application, email

Description automatically generated