Instructions and Walk through of the project Sweet-Home

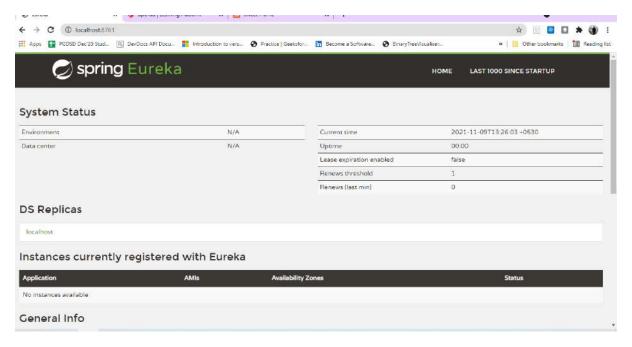
Open each of the projects present in the Sweet-Home folder in separate windows of the IDE

1. Run the Eureka server

EurekaServer → Run the Eureka Server application

Open http://localhost:8761/

You should see the as below



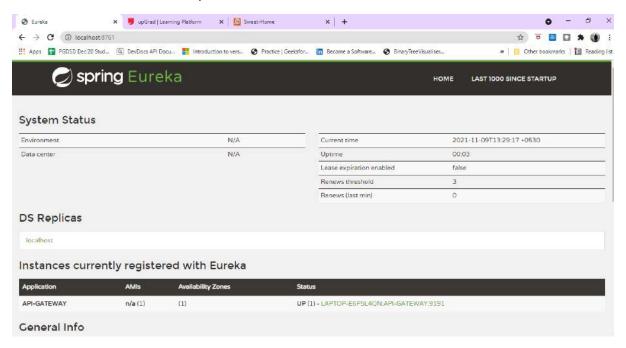
2.

apiGateway → Run the Api gateway application

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Refresh the Eureka server URL http://localhost:8761/

You should see the API Gateway instance



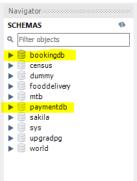
3.Create databases required for the bookingService and Payment service in the MYSQL workbench

Using Commands

create database bookingdb;

create database paymentdb;





4.

BookingService → Open the proect folder and navigate to the

Path: src/main/resources/application.properties

And change the application.properties file with appropriate values of

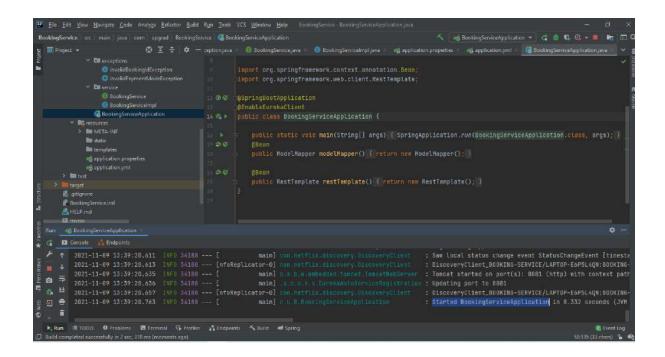
datasource url ,username and password.

In my case the db created was bookingdb

Username is **root**

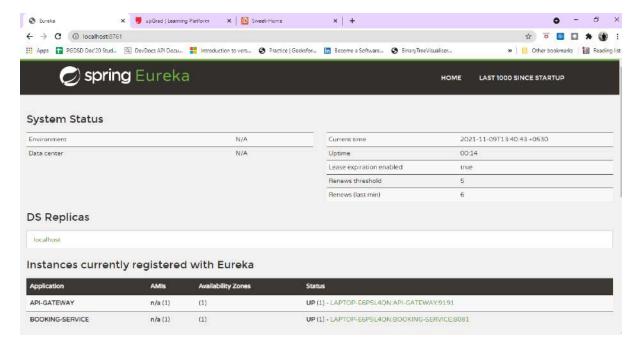
Password is Upgrad123

RUN the application



On refreshing the Eureka server URL http://localhost:8761/

We can see the BOOKING-SERVICE instance



5.PaymentService → Open the proect folder and navigate to the

Path: src/main/resources/application.properties

And change the application.properties file with appropriate values of

datasource url ,username and password.

In my case the db created was paymentdb

Username is root

Password is Upgrad123

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spring.datasource.url=jdbc:mysql://localhost:3306/paymentdb
spring.datasource.username=root
spring.datasource.password=Upgrad123
```

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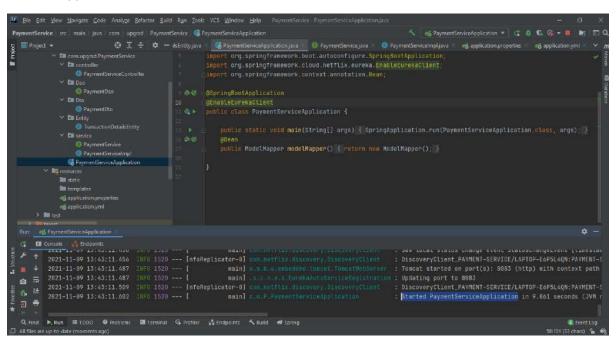
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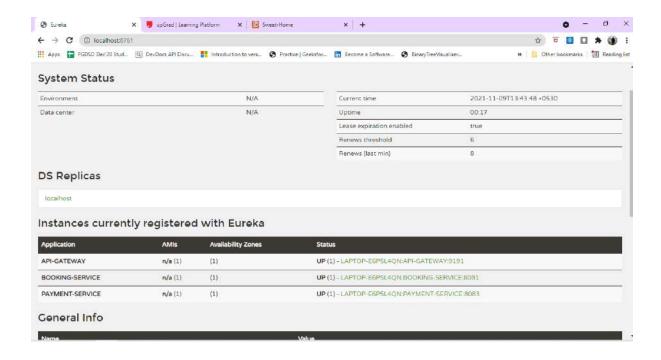
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RUN the application



On refreshing the Eureka server URL http://localhost:8761/

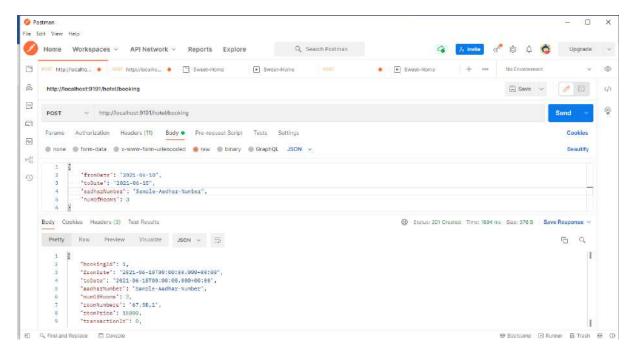
We can see the PAYMENT-SERVICE instance



Now test the End points using POSTMAN

ENDPOINT 1: http://localhost:9191/hotel/booking

You can see as below



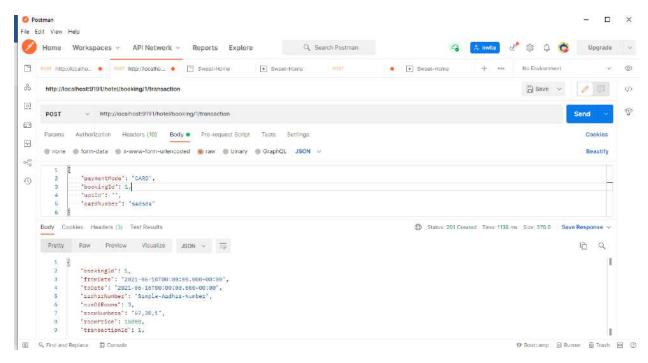
You can see the Room numbers and the room price calculated

Also the transaction ID 0

ENDPOINT2:

http://localhost:9191/hotel/booking/1/transaction

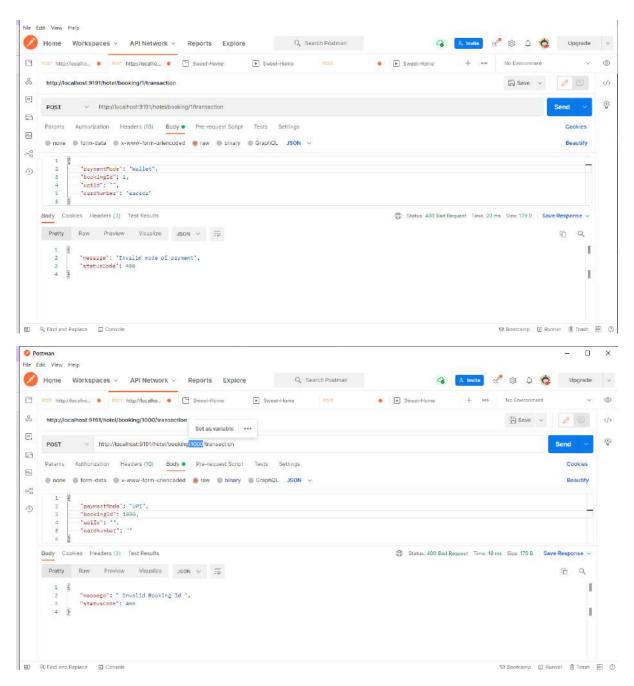
You can see all below with the transaction ID



Also you can see the confirmation message on the console of BOOKING_SERVICE

Exceptions

Paymentmode and Wrong booking id were handled you can see as below if given wrong paymentMode and bookingid.



You can also run the given api

The code work flow is as follows

Created Eureka server and configured it to run on the port 8761

Created API Gateway and configured it to run on port 9191,made it to be discovered by the Eureka server and also gave the paths of BOOKING-SERVICE and PAYMENT -SERVICE

Created Booking and Payment service applications and also created Database bookingdb ,paymentdb in MySQL workbench respectively for the services.

Configured the databases respectively. Also the applications were configured with Eureka server and API GATEWAY.

Created Entities as per the sweethome schema document given.

Created DAO layer by extending with JPA repository

Created DTO classed

Implemented the service layer and applied logic as per requirement.

Code for calculating number of days from the given from and to date, price is done as below in addbooking method in BookingServiceImpl.java

The code for getting Transaction ID from PAYMENT-SERVICE using RestTemplate is highlighted

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Created the controller classes and added end points required for the project

Also created Custom exception handler and handled different exceptions.

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