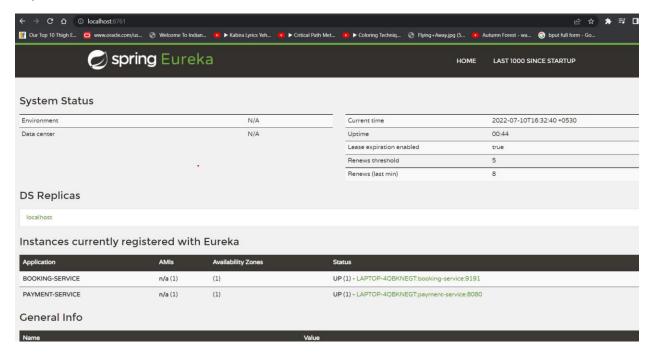
Sweet-Home documentation

Eureka server and client setup

Booking and Payment service are registered here at port no 8761

http://localhost:8761/



Eureka Service registry project structure

```
service_registry | src | main | java | com | upgrad | service | registry | ServiceRegistryApplication | Service | registry | ServiceRegistryApplication | Service | registry | ServiceRegistryApplication | ServiceRegistry
```

Booking-Service

Project structure

```
| Posting-service | Noted | src | name | para | commonler | © Control(controller) | © Control(control(control) | © Control(control(control(control) | © Control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(control(contro
```

BookingController -

POST http://localhost:9191/hotel/booking url will be called to save data in the database using the method

public ResponseEntity createBookingEnquiry(@RequestBody BookingDTO bookingDTO)
which has its implementation in the service Class BookingServiceImpl (interface used BookingService) in the below method.

public BookingInfoEntity saveBookingDetails(BookingInfoEntity bookingInfo);

POST http://localhost:9191/booking/ffbookingld//transaction API call is made to confirm the booking using the method

```
public ResponseEntity confirmBookingDetails(@PathVariable(name = "bookingId") int
bookingId, @RequestBody PaymentDTO paymentDTO) throws Exception
```

which has its implementation in the service Class **BookingServiceImpl** (interface used **BookingService**) in the below method.

public BookingInfoEntity bookHotel(int bookingId, PaymentDTO paymentDTO) throws Exception;

Entity class with the field mapping

```
■ Project ▼
                         ⊕ ₹ ;
                                    $ -
                                            C PaymentDTO.java ×
                                                               PaymentRequest.java
                                                                                                          Book
   Booking-service [Sweet-Home] C:\Users\COURSE
     > 🖿 .idea
                                                        @Column(nullable = false)

✓ Inaper Helphotel

                                            11 📵
                                                        private LocalDateTime fromDate;
       > 🖿 .idea
       > .mvn
                                                        @Column(nullable = false)

✓ Image: Src

                                            14
                                                        private LocalDateTime toDate;

✓ Imain

            🗸 🖿 java
              @GeneratedValue(strategy = GenerationType.AUT0)
                 18 📭
                     BookingController
                 ✓ dao
                     BookingDao
                                                        @Column(length = 50, nullable = false, unique = true)
                 ✓ dto
                                            21 ⓐ
                                                        private String aadharNumber;
                     BookingDTO
                     © BookingDTOResponse
                                                        @Column(length = 50, nullable = false)
                     PaymentDTO
                                            24 📵
                     PaymentRequest

✓ entities

                                                        @Column(length = 500, nullable = false)
                     BookingInfoEntity
                                            27 📵
                 BookingService
Structure
                     BookingServiceImpl
                                                        @Column(nullable = false)
                   SweetHomeApplication
                                            30 📵

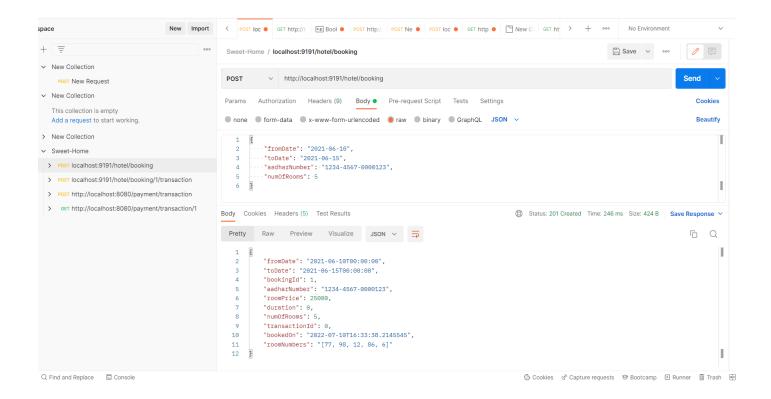
✓ ■ resources

                 application.properties
                                                        @Column(length = 50, nullable = false)
                 application.yml
                                            33 📵
                 bootstrap.properties
Ħ
          > test
                                                        @Column(length = 100, nullable = false)
                                            36 📵
          🚼 .gitignore
          # HELP.md
                                                        @Column(length = 100, nullable = false)
          f hotel.iml
          ≥ mvnw
                                            39 a
```

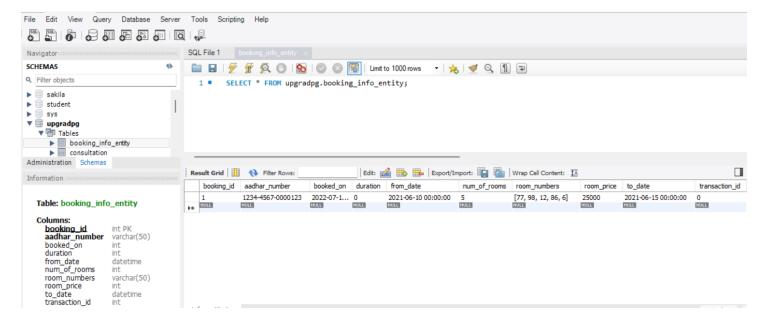
API calls

1. When the user enquires about the booking in the hotel , call done using postman , below is the request and response JSON

http://localhost:9191/hotel/booking

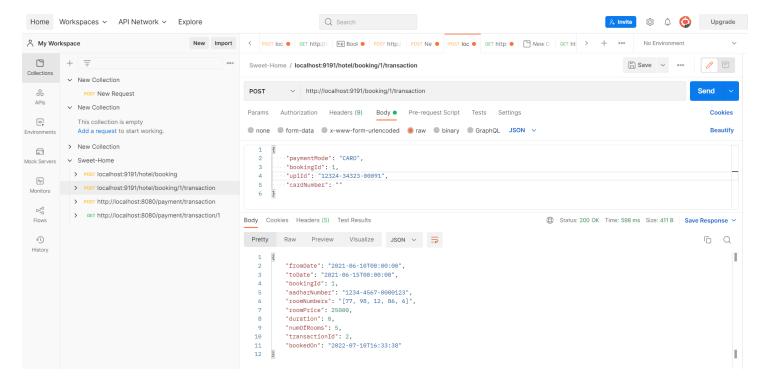


Data saved in the database

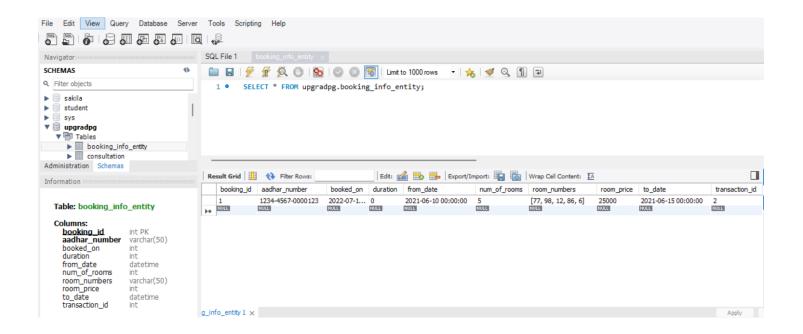


2. Request with the booking id and fetch details from the payment service and save it in the booking table and display it in the response.

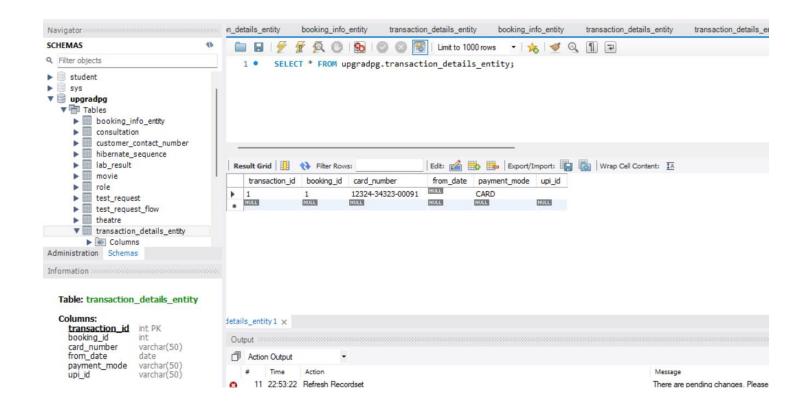
http://localhost:9191/booking/1/transaction



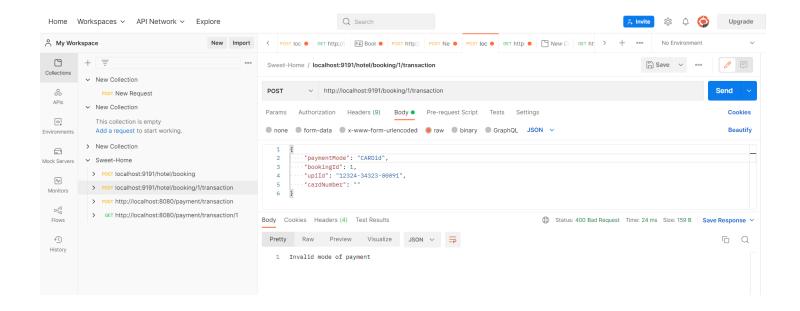
Record updated the booking table



Record updated in the payment table

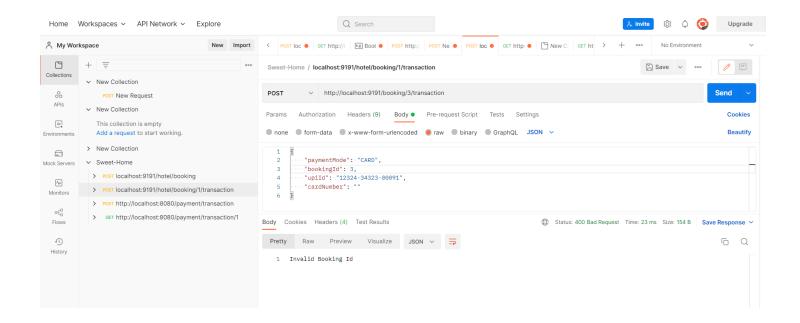


If the payment mode is not UPI or CARD, it throws bad request 400



If the booking id is not present in the database, it throws bad request 400

http://localhost:9191/booking/3/transaction



Payment-Service

Project structure

```
| Payment/Service | Payment/S
```

BookingController -

POST http://localhost:8080/payment/transaction url will be called to save data in the database using the method

```
public ResponseEntity returnTransactionID(@RequestBody PaymentDTO paymentDTO)
```

which has its implementation in the service Class **PaymentServiceImpl** (interface used **PaymentService**) in the below method.

public BookingInfoEntity saveBookingDetails(BookingInfoEntity bookingInfo);

GET http://localhost:8080/payment/transaction/{{transactionId}} API call is made to fetch the payment details based on the transaction id using the method

```
public ResponseEntity getPaymentDetailsBasedOnId(@PathVariable(name="transactionId") int
transactionId) throws Exception
```

which has its implementation in the service Class **PaymentServiceImpl** (interface used **PaymentService**) in the below method.

public TransactionDetailsEntity getPaymentById(int transactionId) throws Exception

Entity class with the field mapping

```
Payment-service hotel src main java com hotel hotel entities GransactionDetailsEntity main java com
                     🛟 💆 🖈 🗢 😊 PaymentDTO.java × 💿 PaymentController.java ×
                                                                               ➤ Payment-service [Sweet-Home] C:\Users\COUI
                                                 package com.hotel.hotel.entities;
    > 🖿 .idea

✓ In hotel

      > 🖿 .idea
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✓ Imain

                                                 public class TransactionDetailsEntity {

✓ Image java

             @GeneratedValue(strategy = GenerationType.AUT0)
                    PaymentController
               ✓ dao
                                            Gg
                    PaymentDao
                ✓ dto
                                                   @Column(length=50, nullable = false)
                    PaymentDTO
                                                   private String paymentMode;
                                            a

✓ ■ entities

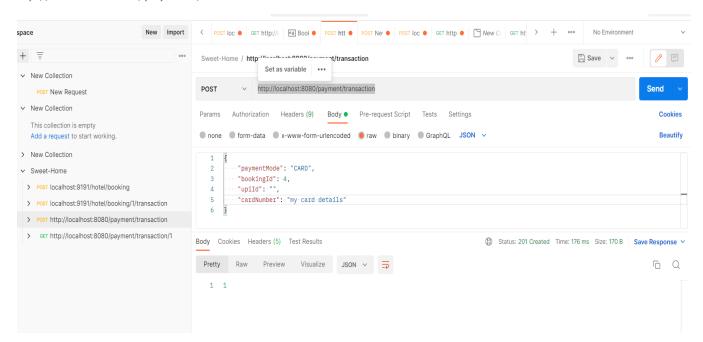
                                                   @Column(length = 50, nullable = false)
                    TransactionDetailsEntity
                                            a
                PaymentService
                                                   @Column(length = 50)
                    PaymentServiceImpl
                                                   private String upiId;
                  SweetHomeApplication
                                            a
           > resources
         > test
                                                   @Column(length = 50)
                                            a
         🕷 .gitignore
         # HELP.md
                                            a
                                                   private LocalDate fromDate;
         🚹 hotel.iml
```

API calls

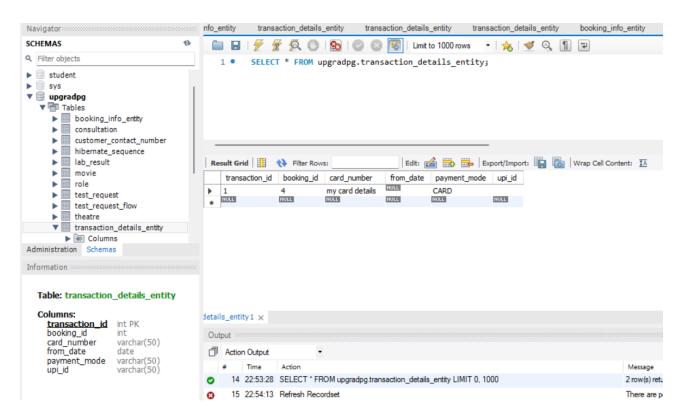
(please use port 8080 to make the API calls for this service)

1. Using this API call the payment details is saved the database and the transaction id is returned int he response, call done using postman, below is the request and response JSON in the screenshot.

http://localhost:8080/payment/transaction

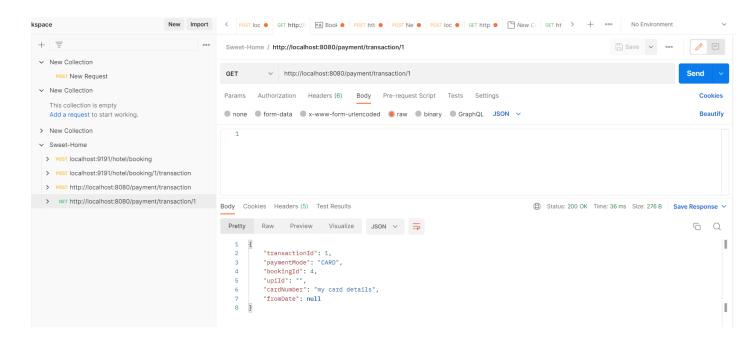


Data saved in the database



2. Request with the transaction id and get the payment details from the database and display it in the response.

http://localhost:8080/payment/transaction/1



(Note: database details used is as provided in the assignment details)