This is an API Documentation for the **'Hotel room booking application'** which is used to book Rooms for a single hotel. The backend of the application comprises two independent Microservices: **Booking Service** and **Payment Service**. The API Gateway acts as an exposed layer on these services and the **Eureka-Server** is used to communicate with all the servers.

POST : localhost:9191/hotel/booking

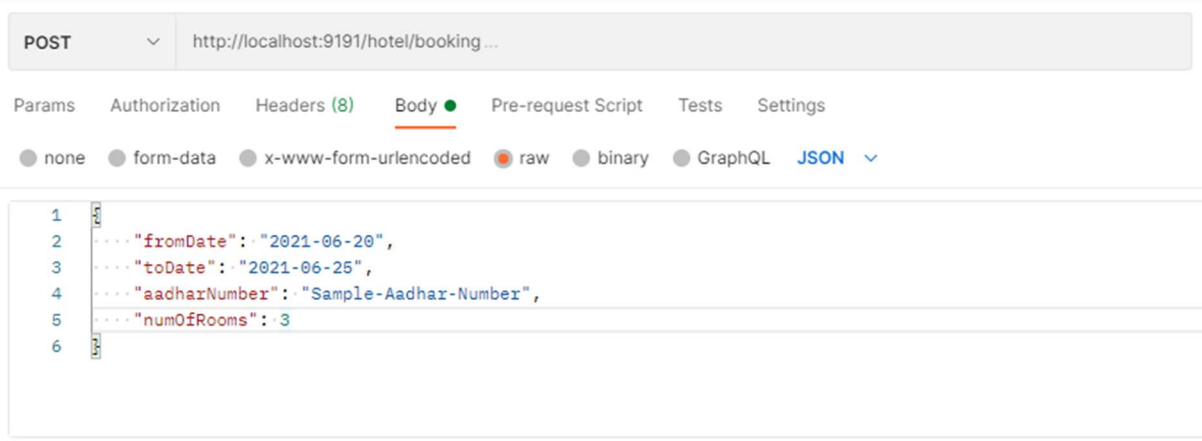
This is an API defined in the Booking Service. This service is responsible to take input from user like- toDate, fromDate, aadharNumber and number of rooms required(count) and save it in its database and also generate a random list of room numbers depending on the count and display the room number list(roomNumbers) and roomPrice to the user, then if the user wants to go ahead with the booking, then he can simply provide the payment related details like bookingMode, upiId, cardNumber. These details will be further sent to the payment service and the booking will be confirmed.

This endpoint is responsible to collect information like fromDate, toDate,aadhar number,count from user and save it in its database and also returns the corresponding booking details.

Note that the transaction id returned in the response of this API will be '0' which represents that no transaction has happened so far for this booking. Only after the payment is done, transaction id will store the actual transaction id associated with the transaction.

HEADERS

Content-Type	application/json
BODY	RAW



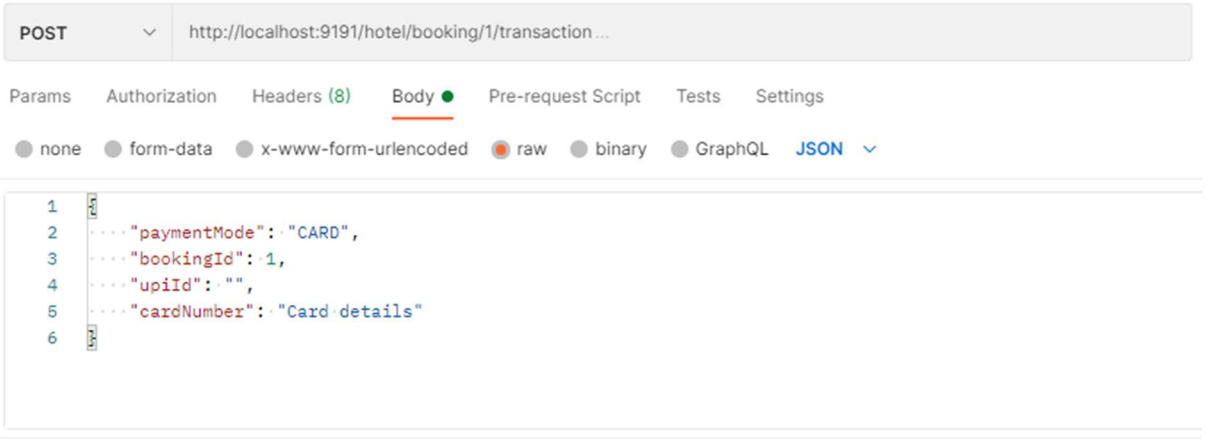
POST : localhost:9191/hotel/booking/1/transaction

This endpoint is responsible to take the payment-related details from the user and send it to the payment service; get the transactionId and save the corresponding transactionId in the booking table. Please note that for the paymentMode, if the user provides any other input apart from the 'UPI' or 'CARD', then it means that the user is not interested in the booking and wants to opt-out and this endpoint will throw a custom response with the message "Invalid mode of payment".

HEADERS

Content-Type application/json

BODY RAW



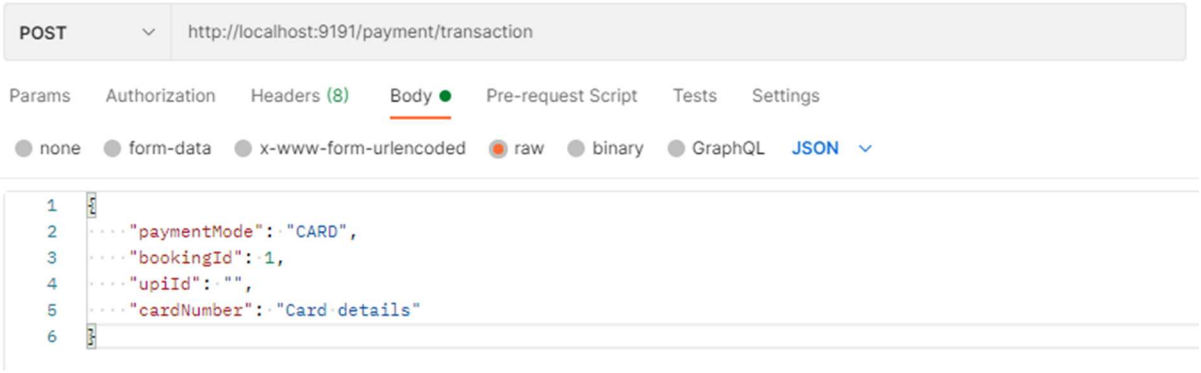
POST : localhost:9191/payment/transaction

This endpoint is used to imitate performing a transaction for a particular booking. It takes details such as bookingId, paymentMode,upiId or cardNumber and returns the transactionId automatically generated while storing the details in the ‘transaction’ table. Note that this 'transactionId' is the primary key of the record that is being stored in the 'transaction' table.
This endpoint is responsible to collect information like bookingID, paymentMode, upiId, and cardNumber from the user and save it in its database and also returns the transactionId.

HEADERS

Content-Type application/json

BODY RAW



GET : localhost:9191/payment/transaction/1

This API is defined in the Payment Service.

This API is used to query the transaction details for a given transaction Id.