Project Walkthrough

There are 5 microservices:

- 1. API Gateway
 - a. Entry point to application
 - b. JWT token validation
 - c. Endpoint: http://localhost:8082/
- 2. Discovery Service
 - a. Service Registry for interservice communication
 - b. Endpoint: http://localhost:8761/
- 3. Booking
 - Handle booking related operation and interact with booking table
 - b. Endpoint: http://localhost:8081/
- 4. Payment
 - a. Handle payment related operation and interact with payment table
 - b. Endpoint: http://localhost:8083/
- 5. Security
 - a. Handle user registration and JWT token creation
 - b. Endpoint: http://localhost:8084/

User flow

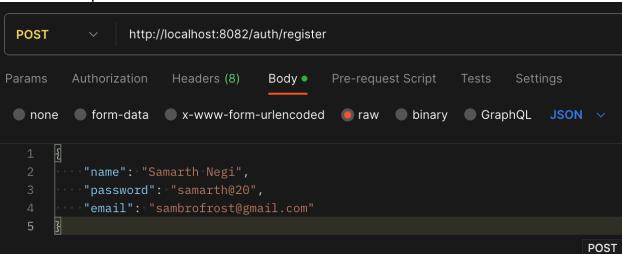
Prerequisites: User must first register themselves with the application and then obtain their JWT token before interacting with any of the API endpoints. The user must send the JWT token in the header with each request.

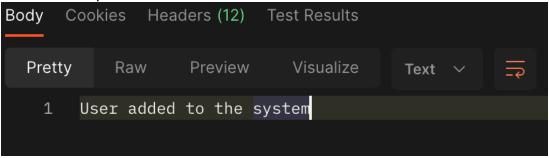
NOTE: User interacts with the API Gateway ONLY. The API Gateway microservice authenticates the JWT token and then redirects to the required microservice.

GitHub HLD & User flow diagram attached.

1. User registers itself using the security service.

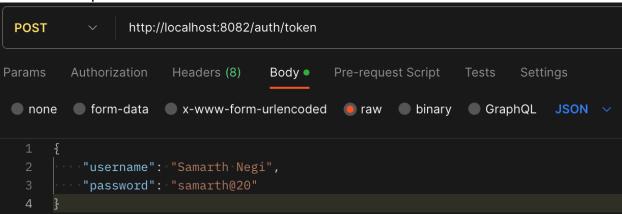
Postman Request





2. User obtain the JWT token to be used for authentication.

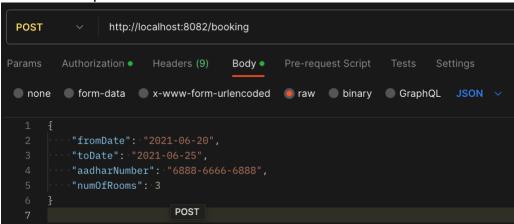
Postman Request





3. User creates a booking.

Postman Request



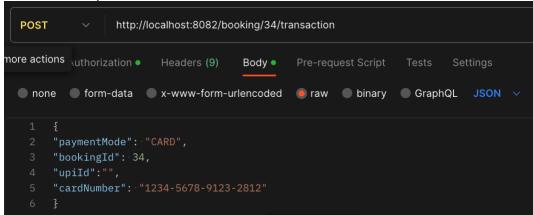
JWT Token



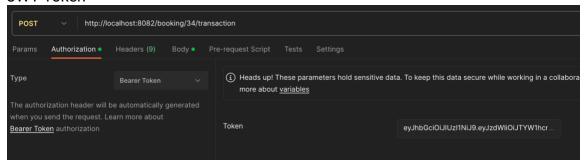
```
Body
      Cookies Headers (3) Test Results
                   Preview
  Pretty
           Raw
                               Visualize
                                           JSON V
            "bookingId": 34,
            "fromDate": "2021-06-20T00:00:00",
            "toDate": "2021-06-25T00:00:00",
            "aadharNumber": "6888-6666-6888",
            "numOfRooms": 3,
            "roomNumbers": "50, 38, 27",
            "roomPrice": 15000,
            "transactionId": 0,
            "booked0n": "2023-12-21T20:10:57.217696"
       3
   11
```

4. User pay's for the booking

Postman Request



JWT Token



```
Cookies Headers (3) Test Results
Body
  Pretty
                    Preview
                               Visualize
                                           JSON V
            "bookingId": 34,
            "fromDate": "2021-06-20T00:00:00",
            "toDate": "2021-06-25T00:00:00",
            "aadharNumber": "6888-6666-6888",
            "numOfRooms": 3,
            "roomNumbers": "50, 38, 27",
            "roomPrice": 15000,
            "transactionId": 22,
            "booked0n": "2023-12-21T20:10:57.217696"
   11
```