UC-PROJECT

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FUNCTIONAL NOTES:

* There are three different roles viz. ADMIN, SERVICE\_PROVIDER & SERVICE\_RECIEVER
  + ADMIN can add new type of services (haircut, massage etc), can add offer for a email, remove a service provider etc.
  + SERVICE\_PROVIDER can provide different services, accept/decline a service etc
  + SERVICE\_RECIEVER can search, book a service etc.
* SERVICE\_PROVIDER can provide services only in his/her pincode.
* SERVICE\_RECIEVER can search for services in or out of his/her pincode.
* Services with their service providers are shown to SERVICE\_RECIEVER according to the pincode requested. Only the SERVICE\_PROVIDER will come into this list who are providing services in that pincode.
* SERVICE\_RECIEVER can choose and book any SERVICE\_PROVIDER from the list of services providers (search response) according to the fees, rating, reviews & description.
* After booking, SERVICE\_RECIEVER is redirected to payments page where he pays for the booked service.
* On Booking of a service, a notification is sent to SERVICE\_PROVIDER, who can then accept of deny the service.
* On SERVICE\_RECIEVER’s confirmation service is considered as BOOKED.
* After the scheduled service is done SERVICE\_RECIEVER can request our system to mark the booking as COMPLETED for which he will need a OTP from SERVICE\_RECIEVER.

TECHNICAL NOTES:

* Project is broken into 9 microservices.
* There is an Auth interceptor in every service to handle auth.
* JWT is used for authentication which has the following claims:

{

"iat": 1614609811,

"iss": "UCAUTH",

"sub": "1002",

"exp": 1614610711,

"pincode": "110045",

"role": "SERVICE\_PROVIDER",

"mobile": "9582843303",

"email": "sahil.mehta02@nagarro.com"

}

* Roles are used to handle authorization.
* Hystrix is used in notifications services as it uses external server for pushing notification.
* Zuul API gateway, Eureka service discovery, jaeger for distributed tracing is being used.
* A common project is developed to contain all common code and is used as dependency in all microservices.
* Rabbit MQ is being used for Async communication i.e for updating status of booking as per the user actions in different microservices and notifications to user,
* Sync inter microservice call is only used at 2 occasions i.e login OTP and booking completion verification OTP.
* HLD is in below file (also present in a ppt file in same folder where this file is placed)



* Docker compose file (also present in same folder where this file is placed)



* Postman collection (also present in same folder where this file is placed)
* 

DOCKER HUB LINKS

1. API GATEWAY: <https://hub.docker.com/repository/docker/sahilmehta02/uc-api-gateway>
2. DISCOVERY SERVER: <https://hub.docker.com/repository/docker/sahilmehta02/uc-discovery-server>
3. USER MANAGEMENT: <https://hub.docker.com/repository/docker/sahilmehta02/uc-user-management>
4. SERVICES: <https://hub.docker.com/repository/docker/sahilmehta02/uc-services>
5. BOOKING MANAGEMENT: <https://hub.docker.com/repository/docker/sahilmehta02/uc-booking-management>
6. OFFERS: https://hub.docker.com/repository/docker/sahilmehta02/uc-offers
7. PAYMENTS: <https://hub.docker.com/repository/docker/sahilmehta02/uc-payments>
8. FEEDBACKS: <https://hub.docker.com/repository/docker/sahilmehta02/uc-feedback>
9. NOTIFICATIONS: <https://hub.docker.com/repository/docker/sahilmehta02/uc-notifications>

API DETAILS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RESOURCE | METHOD | PATH | AUTHORIZATION | DESCRIPTION |
| USER | POST | /uc/user-management/v1/user | ALL ROLES | Creates new user in system |
|  | GET | /uc/user-management/v1/user/1001 | ALL ROLES | Gets user data by ID |
|  | POST | /uc/user-management/v1/auth/otp | ALL ROLES | Generates OTP & send via Email |
|  | POST | /uc/user-management/v1/auth/login | ALL ROLES | Login to system |
|  | GET | /uc/user-management/v1/user/fetch?ids=1002,1001 | INTERNAL | Fetch users by ID |
| SERVICE | GET | /uc/services/v1/search?serviceTypeId=3001&pincode=110045 | ALL ROLES | Get all services by type & pincode |
| SERVICE TYPE | POST | /uc/services/v1/type | ADMIN | Adds new service type to system |
|  | GET | /uc/services/v1/type | ALL ROLES | Gets all service types |
|  | GET | /uc/services/v1/type/3002 | ALL ROLES | Get service type details |
| SERVICE PROVIDER | GET | /uc/services/v1/provider | SERVICE\_PROVIDER | Get all services provided by a user (service provider) |
|  | GET | /uc/services/v1/provider/4000 | SERVICE\_PROVIDER | Get details of a provided service  Like Fees, comment of provider. |
|  | POST | /uc/services/v1/provider | SERVICE\_PROVIDER | Provide new service |
|  | PUT | /uc/services/v1/provider/4001 | SERVICE\_PROVIDER | Update fees, comment, etc of a provided service |
|  | DELETE | /uc/services/v1/provider/4001 | SERVICE\_PROVIDER | Remove provided service |
| BOOKING | POST | /uc/booking-management/v1/booking | SERVICE\_RECIEVER | Book a service  Booking has status of **PAYMENT\_PENDING** |
|  | GET | /uc/booking-management/v1/booking | ALL ROLES | Get all bookings of a user |
|  | GET | /uc/booking-management/v1/booking/6001 | ALL ROLES | Get details of a booking like status,  Payment id etc |
|  | PUT | /uc/booking-management/v1/booking/6001/confirm | SERVICE\_PROVIDER | Confirm a booking done by service receiver  Changes status to **BOOKED/**  **PROVIDER\_DECLINED** |
|  | GET | /uc/booking-management/v1/booking/6001/complete | SERVICE\_PROVIDER | Provider requests to complete booking.  Sends a OTP to service receiver for completion verification |
|  | POST | /uc/booking-management/v1/booking/6001/complete | SERVICE\_PROVIDER | Make status of booking **COMPLETED** if OTP matches.  Sends notification to service reciever |
| PAYMENT | POST | /uc/payments/v1/payment | ALL ROLES | Make Payment for a booking  Changes status to **PROVIDER\_CONFIRMATION\_PENDING / PAYMENT\_FAILED** |
| OFFER | POST | /uc/offers/v1/offer | ADMIN | Adds new offer for a email |
|  | GET | [/uc/offers/v1/offer/7001?forEmail=abhi@gmail.com](mailto:/uc/offers/v1/offer/7001?forEmail=abhi@gmail.com) | INTERNAL | Validates if offer id belongs to email |
|  | GET | /uc/offers/v1/offer | SERVICE\_RECIEVER | Gets offers for logged in user |
| FEEDBACK | POST | /uc/feedbacks/v1/feedback | SERVIDE\_RECIEVER  SERVICE\_PROVIDER | Saves rating and reviews.  Both receiver and provider can provide feedback for each other.  This is feedbacks are fetched when service providers are viewd by receiver and vice versa |
|  | GET | /uc/feedbacks/v1/feedback/fetch?forUsers=1002.1001 | INTERNAL | Used to display details of a provider to receiver & vice-versa |

REQUEST AND RESPONSE

1. **USER MANAGEMENT MICROSERVICE**
   1. **Generate OTP**

Request:

curl --location --request POST 'localhost:8050/uc/user-management/v1/auth/otp' \

--header 'Content-Type: application/json' \

--data-raw '{

"email": "mehtageeta1811@gmail.com"

}'

Response:

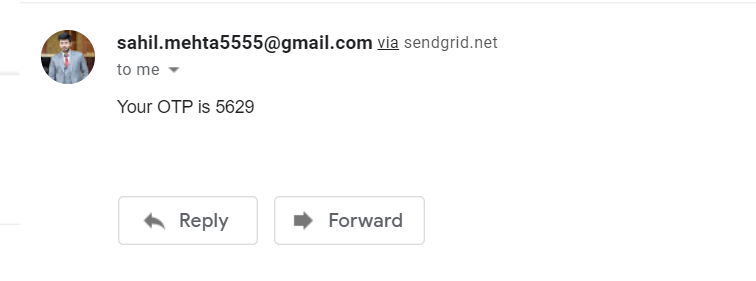
{

"status": "success",

"message": "otp sent to mehtageeta1811@gmail.com"

}

Notification:



* 1. **SignIn user API**

Request:

curl --location --request POST 'localhost:8050/uc/user-management/v1/auth/login' \

--header 'Content-Type: application/json' \

--data-raw '{

"email": "mehtageeta1811@gmail.com",

"otp": "5629"

}'

Response:

{

"status": "success",

"message": "logged in",

"user": {

"id": 1003,

"name": "Geeta Mehta",

"mobile": "9582843305",

"email": "mehtageeta1811@gmail.com",

"role": "SERVICE\_RECIEVER",

"pincode": 110045

},

"token": "eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA"

}

* 1. **Add user API (Signup)**

Request:

curl --location --request POST 'localhost:8050/uc/user-management/v1/user' \

--header 'Content-Type: application/json' \

--data-raw '{

"name": "Abhi Sharma",

"mobile": "9582843304",

"email": "abhi@gmail.com",

"role": "SERVICE\_RECIEVER",

"pincode": 110045

}'

Response:

{

"status": "success",

"message": "user added"

}

* 1. **Get user details API**

Request:

curl --location --request GET 'localhost:8050/uc/user-management/v1/user/1001' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA'

Response:

{

"status": "success",

"message": "user found",

"user": {

"id": 1001,

"name": "Admin User",

"mobile": "9582843302",

"email": "sahil.mehta5555@gmail.com",

"role": "ADMIN",

"pincode": 110044

}

}

* 1. **Fetch users (INTERNAL)**

Request:

curl --location --request GET 'localhost:8050/uc/user-management/v1/user/fetch?ids=1002,1001' \

--header 'x-apiKey: bf4aryv84hrcq984xp7cefkjhe2'

Response:

{

"users": {

"1001": {

"id": 1001,

"name": "Admin User",

"mobile": "9582843302",

"email": "sahil.mehta5555@gmail.com",

"role": "ADMIN",

"pincode": 110044

},

"1002": {

"id": 1002,

"name": "Sahil Mehta",

"mobile": "9582843303",

"email": "sahil.mehta02@nagarro.com",

"role": "SERVICE\_PROVIDER",

"pincode": 110045

}

}

}

1. **SERVICES MICROSERVICE**
   1. **Search API**

Request:

curl --location --request GET 'http://localhost:8050/uc/services/v1/search?serviceTypeId=3001&pincode=110045' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA'

Response:

{

"service\_type": {

"id": 3001,

"name": "Air Conditioner Service",

"description": "service description"

},

"service\_providers": [

{

"service\_provider": {

"service\_id": 4000,

"service\_provider\_id": 1002,

"email": "sahil.mehta02@nagarro.com",

"pincode": "110045",

"service\_type\_id": 3001,

"fees": 500,

"comment": "I want you to know something about me"

},

"details": {

"id": "1002",

"name": "Sahil Mehta",

"mobile": "9582843303",

"email": "sahil.mehta02@nagarro.com",

"role": "SERVICE\_PROVIDER",

"pincode": "110045"

},

"avg\_rating": 4.0,

"reviews": [

{

"id": "5001",

"rating": "5",

"comment": "perferct service! could'nt ask for more",

"for\_user": "1002",

"by\_user": "nikunj.sharma@gmail.com"

},

{

"id": "5002",

"rating": "3",

"comment": "could have been better. provider was late",

"for\_user": "1002",

"by\_user": "ujuwal.sharma@gmail.com"

}

]

}

]

}

* 1. **Service Type APIs**
     1. Get service types

Request:

curl --location --request GET 'localhost:8050/uc/services/v1/type' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA'

Response:

[

{

"id": 3001,

"name": "Air Conditioner Service",

"description": "service description"

},

{

"id": 3002,

"name": "Plumbing Service",

"description": "service description"

},

{

"id": 3003,

"name": "Haircut Service",

"description": "service description"

}

]

* + 1. **Get Service Type**

Request:

curl --location --request GET 'localhost:8050/uc/services/v1/type/3002' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA'

Response:

{

"id": 3002,

"name": "Plumbing Service",

"description": "service description"

}

* + 1. **Add new Service Type**

Request:

curl --location --request POST 'localhost:8050/uc/services/v1/type' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDY3MDYsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDc2MDYsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.dNUEYjNQ5ZLFNW80VmyyPORqhYRb9y-VrLD3qt93viA' \

--header 'Content-Type: application/json' \

--data-raw '{

"name": "Body Massage",

"description": "service description"

}'

Response:

{

"status": "success",

"message": "service type added"

}

* 1. **Service Provider APIs**
     1. **Get all services provided**

Request:

curl --location --request GET 'localhost:8050/uc/services/v1/provider' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDc4OTcsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDIiLCJleHAiOjE2MTQ2MDg3OTcsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9QUk9WSURFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDMiLCJlbWFpbCI6InNhaGlsLm1laHRhMDJAbmFnYXJyby5jb20ifQ.U1O5MzVwYQAYr1PyH7-\_-\_Qk0ptb7ekFpC-7QRZqez4'

Response:

[

{

"service\_id": 4000,

"service\_provider\_id": 1002,

"email": "sahil.mehta02@nagarro.com",

"pincode": "110045",

"service\_type\_id": 3001,

"fees": 500,

"comment": "I want you to know something about me"

}

]

* + 1. **Get service provided**

Request:

curl --location --request GET 'http://localhost:8050/uc/services/v1/provider/4000' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDc4OTcsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDIiLCJleHAiOjE2MTQ2MDg3OTcsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9QUk9WSURFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDMiLCJlbWFpbCI6InNhaGlsLm1laHRhMDJAbmFnYXJyby5jb20ifQ.U1O5MzVwYQAYr1PyH7-\_-\_Qk0ptb7ekFpC-7QRZqez4'

Response:

{

"service\_id": 4000,

"service\_provider\_id": 1002,

"email": "sahil.mehta02@nagarro.com",

"pincode": "110045",

"service\_type\_id": 3001,

"fees": 500,

"comment": "I want you to know something about me"

}

* + 1. **Provide new service**

Request:

curl --location --request POST 'localhost:8053/uc/services/v1/provider' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDc4OTcsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDIiLCJleHAiOjE2MTQ2MDg3OTcsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9QUk9WSURFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDMiLCJlbWFpbCI6InNhaGlsLm1laHRhMDJAbmFnYXJyby5jb20ifQ.U1O5MzVwYQAYr1PyH7-\_-\_Qk0ptb7ekFpC-7QRZqez4' \

--header 'Content-Type: application/json' \

--data-raw '{

"service\_type\_id": "3001",

"fees": "100",

"comment": "something"

}'

Response:

{

"status": "success",

"message": "user now providing this service"

}

* + 1. **Update provided service**

Request:

curl --location --request PUT 'http://localhost:8053/uc/services/v1/provider/4001' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDc4OTcsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDIiLCJleHAiOjE2MTQ2MDg3OTcsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9QUk9WSURFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDMiLCJlbWFpbCI6InNhaGlsLm1laHRhMDJAbmFnYXJyby5jb20ifQ.U1O5MzVwYQAYr1PyH7-\_-\_Qk0ptb7ekFpC-7QRZqez4' \

--form 'fees="1200"' \

--form 'comment="cheap and best"'

Response:

{

"status": "success",

"message": "updated"

}

* + 1. **Remove provided service**

Request:

curl --location --request DELETE 'http://localhost:8053/uc/services/v1/provider/4001' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDc4OTcsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDIiLCJleHAiOjE2MTQ2MDg3OTcsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9QUk9WSURFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDMiLCJlbWFpbCI6InNhaGlsLm1laHRhMDJAbmFnYXJyby5jb20ifQ.U1O5MzVwYQAYr1PyH7-\_-\_Qk0ptb7ekFpC-7QRZqez4'

Response:

{

"status": "success",

"message": "user not providing this service now"

}

1. **BOOKING MICROSERVICE**
   1. **Book a service**

Request:

curl --location --request POST 'localhost:8050/uc/booking-management/v1/booking' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--header 'Content-Type: application/json' \

--data-raw '{

"service\_id": "4000",

"time": "10:00",

"date": "28-02-2021",

"instructions": "do call me 1 hour before coming at my place"

}'

Response:

{

"status": "success",

"message": "booking initiated",

"booking\_id": 6001

}

* 1. **Get all Bookings**

Request:

curl --location --request GET 'localhost:8050/uc/booking-management/v1/booking' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8'

Response:

[

{

"id": 6000,

"service\_id": 4000,

"provider\_id": 1002,

"reciever\_id": 1003,

"reciever\_email": "mehtageeta1811@gmail.com",

"payment\_id": 8000,

"date": "20-02-2021",

"time": "13:00",

"instructions": "please come wearing gloves and masks",

"status": "BOOKED"

},

{

"id": 6001,

"service\_id": 4000,

"provider\_id": 1002,

"reciever\_id": 1003,

"reciever\_email": "mehtageeta1811@gmail.com",

"payment\_id": null,

"date": "28-02-2021",

"time": "10:00",

"instructions": "do call me 1 hour before coming at my place",

"status": "PAYMENT\_PENDING"

}

]

* 1. **Get Booking details:**

Request:

curl --location --request GET 'localhost:8055/uc/booking-management/v1/booking/6001' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8'

Response:

{

"id": 6001,

"service": {

"email": "sahil.mehta02@nagarro.com",

"pincode": "110045",

"fees": "500",

"comment": "I want you to know something about me",

"service\_id": "4000",

"service\_provider\_id": "1002",

"service\_type\_id": "3001"

},

"provider": {

"id": "1002",

"name": "Sahil Mehta",

"mobile": "9582843303",

"email": "sahil.mehta02@nagarro.com",

"role": "SERVICE\_PROVIDER",

"pincode": "110045"

},

"reciever": {

"id": "1003",

"name": "Geeta Mehta",

"mobile": "9582843305",

"email": "mehtageeta1811@gmail.com",

"role": "SERVICE\_RECIEVER",

"pincode": "110045"

},

"payment\_id": null,

"date": "28-02-2021",

"time": "10:00",

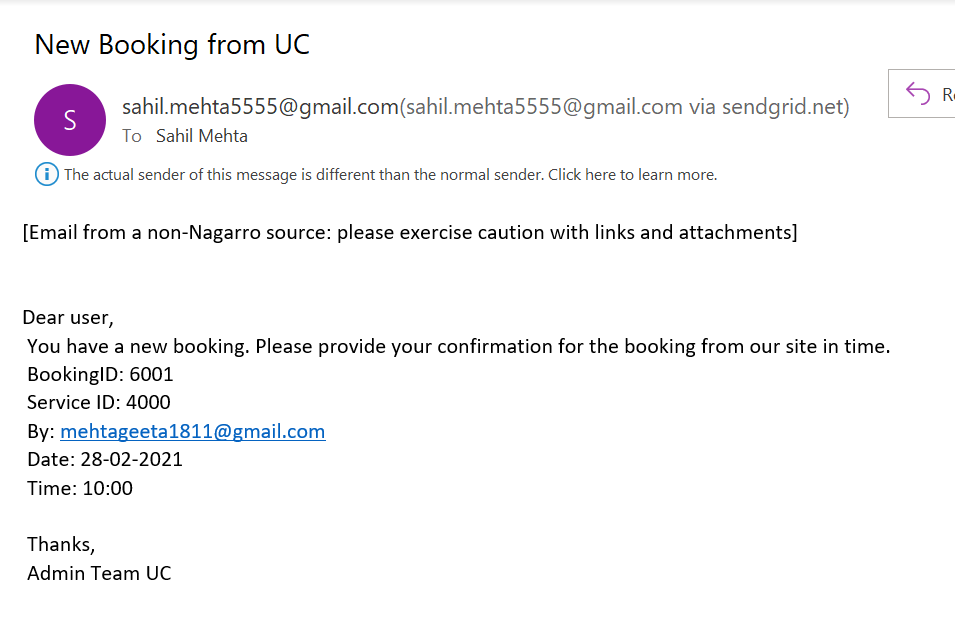
"instructions": "do call me 1 hour before coming at my place",

"status": "PAYMENT\_PENDING",

"status\_description": "Booking Initiated! Please complete the payment."

}

Notification to service provider:



* 1. **Confirm Booking:**

Request:

curl --location --request PUT 'localhost:8055/uc/booking-management/v1/booking/6001/confirm' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--form 'confirmation="true"'

Response:

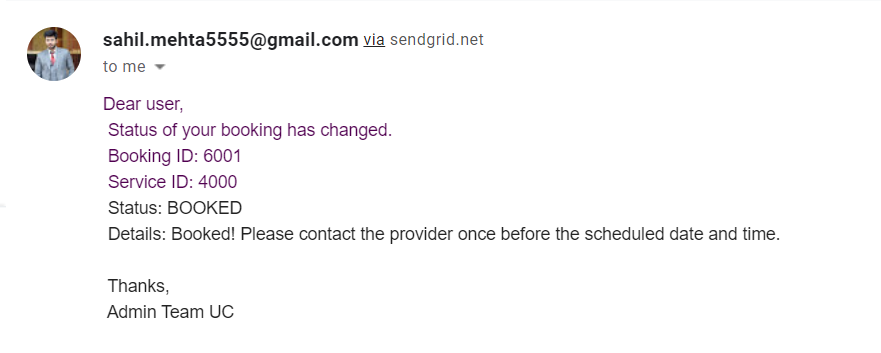
{

"status": "success",

"message": "booking confirmed"

}

Notification:



* 1. **Booking completion Request**

Request:

curl --location --request GET 'localhost:8055/uc/booking-management/v1/booking/6001/complete' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--form 'confirmation="true"'

Response:

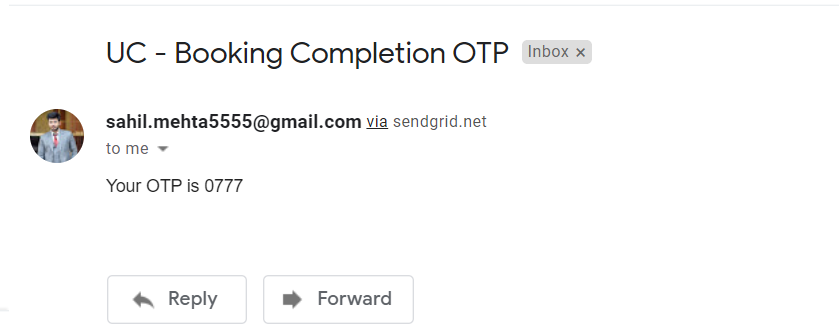
{

"status": "success",

"message": "booking completion requested"

}

Notification:



* 1. **Booking completion verify**

Request:

curl --location --request POST 'localhost:8055/uc/booking-management/v1/booking/6001/complete' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--form 'otp="1224"'

Response:

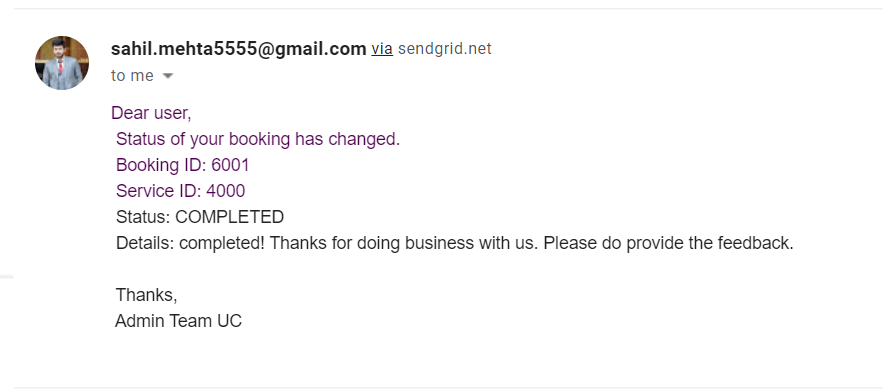
{

"status": "success",

"message": "booking completed"

}

Notification:



1. **OFFERS MICROSERVICE:**
   1. **Add offer:**

Request:

curl --location --request POST 'localhost:8050/uc/offers/v1/offer' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--header 'Content-Type: application/json' \

--data-raw '{

"for\_email": "abhi@gmail.com",

"discount" : "10",

"capping": "100",

"description": "Flat 10% discount for Sunday brunch!"

}'

Response:

{

"status": "success",

"message": "offer added"

}

* 1. **Get offers (INTERNAL)**

Request

curl --location --request GET 'localhost:8056/uc/offers/v1/offer/7001?forEmail=abhi@gmail.com' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--header 'X-apiKey: bf4aryv84hrcq984xp7cefkjhe2'

Response:

{

"id": 7001,

"for\_email": "abhi@gmail.com",

"discount": 50,

"capping": 100,

"description": "Get 50% OFF up to 200 on your first booking"

}

1. **PAYMENT MICROSERVICE:**
   1. **Make payment:**

Request:

curl --location --request POST 'localhost:8050/uc/payments/v1/payment' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--header 'Content-Type: application/json' \

--data-raw '{

"booking\_id": "6001",

"offer\_id": "7002",

"amount": "1000",

"mode\_of\_payment": "UPI",

"details": "myupiid@icicibank"

}'

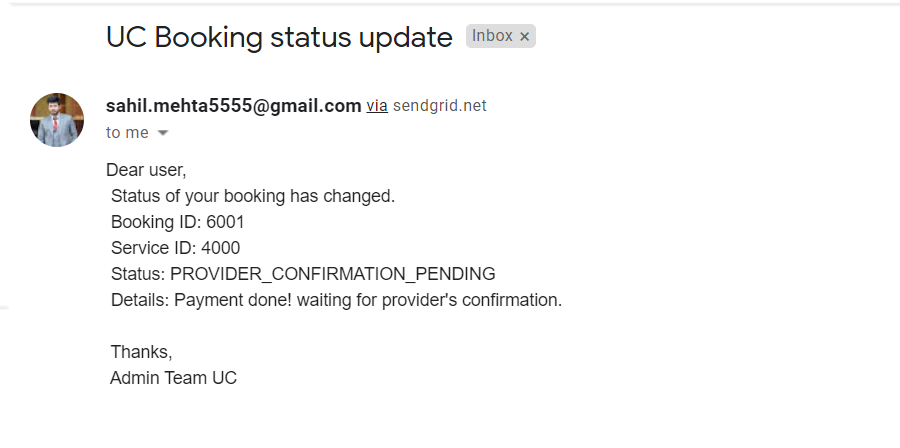
Response:

{

"status": "success",

"message": "payment done"

}



* 1. **Get payment details**

Request:

curl --location --request GET 'localhost:8050/uc/payments/v1/payment/8001' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8'

Response:

{

"id": 8001,

"user\_id": 1003,

"booking\_id": 6001,

"offer\_id": null,

"amount": 1000.0,

"mode\_of\_payment": "UPI",

"details": "myupiid@icicibank"

}

1. **FEEDBACK MICROSERVICE**
   1. **Add Feedback**

Request:

curl --location --request POST 'localhost:8050/uc/feedbacks/v1/feedback' \

--header 'Authorization: eyJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE2MTQ2MDgzMDIsImlzcyI6IlVDQVVUSCIsInN1YiI6IjEwMDMiLCJleHAiOjE2MTQ2MDkyMDIsInBpbmNvZGUiOiIxMTAwNDUiLCJyb2xlIjoiU0VSVklDRV9SRUNJRVZFUiIsIm1vYmlsZSI6Ijk1ODI4NDMzMDUiLCJlbWFpbCI6Im1laHRhZ2VldGExODExQGdtYWlsLmNvbSJ9.51FIEO3N00hWptQTZ5VNR73N1wR0KcP88U5clHtuN\_8' \

--header 'Content-Type: application/json' \

--data-raw '{

"for\_user": "1002",

"rating": "3",

"comment": "not satisfactory"

}'

Response:

{

"status": "success",

"message": "thanks! feedback saved"

}

* 1. **Fetch Feedbacks (INTERNAL)**

Request:

curl --location --request GET 'localhost:8050/uc/feedbacks/v1/feedback/fetch?forUsers=1002' \

--header 'x-apiKey: bf4aryv84hrcq984xp7cefkjhe2'

Response:

{

"feedbacks": {

"1002": [

{

"id": 5001,

"for\_user": 1002,

"by\_user": "nikunj.sharma@gmail.com",

"rating": 5,

"comment": "perferct service! could'nt ask for more"

},

{

"id": 5002,

"for\_user": 1002,

"by\_user": "ujuwal.sharma@gmail.com",

"rating": 3,

"comment": "could have been better. provider was late"

},

{

"id": 5003,

"for\_user": 1002,

"by\_user": "mehtageeta1811@gmail.com",

"rating": 3,

"comment": "not satisfactory"

}

]

}

}

1. **NOTIFICATIONS MICROSERVICE:**
   1. **Send Mail**

Request:

curl --location --request POST 'localhost:8050/uc/notifications/v1/mail?to=sahil.mehta02@nagarro.com&subject=UC%20-%20Login%20OTP' \

--header 'Content-Type: text/plain' \

--data-raw 'Your OTP is 11112'

Response:

200 OK

