API Documentation

API Gateway Service (Port: 8765) - Public Endpoints

Method	Endpoint	Description
POST	/api/v1.0/auth/signin	User login/authentication
POST	/api/v1.0/auth/signup	User registration
POST	/api/v1.0/auth/signout	User logout
GET	/health	Health check

Flight Service - Public Endpoints

Method	Endpoint	Description
GET	/api/v1.0/flight/admin/flights/health	Health check
POST	/api/v1.0/flight/admin/search	Search flights (origin, destination, date)
GET	/api/v1.0/flight/admin/internal/schedules/{id}	Get schedule by ID (internal service-to-service)
POST	/api/v1.0/flight/admin/internal/schedules/{id}/lock-seats	Lock seats (internal service-to-service)
POST	/api/v1.0/flight/admin/internal/schedules/{id}/release-seats	Release seats (internal service-to-service)

Flight Service - Admin Protected endpoints

Method	Endpoint	Description
POST	/api/v1.0/flight/admin/flights	Create a new flight
GET	/api/v1.0/flight/admin/flights	Get all flights
GET	/api/v1.0/flight/admin/flights/{flightNumber}	Get flight by flight number
DELETE	/api/v1.0/flight/admin/flights/{id}	Delete a flight
POST	/api/v1.0/flight/admin/inventory	Add flight schedule/inventory

Booking Service - User Protected Endpoints (ROLE_USER or ROLE_ADMIN)

Method	Endpoint	Description
POST	/api/v1.0/flight/booking/{scheduleId}	Create a new booking
GET	/api/v1.0/flight/booking/{pnr}	Get booking by PNR
GET	/api/v1.0/flight/bookings/email/{email}	Get all bookings by email
DELETE	/api/v1.0/flight/booking/cancel/{pnr}	Cancel a booking
GET	/api/v1.0/flight/ticket/{pnr}	Get ticket by PNR

Docker screenshots

Cmd : docker compose up


```
api-gateway      | 2025-12-08T12:36:42.853Z  INFO 1 --- [api-gateway] [          main] com.netflix.discovery.Discovery
Client    : Discovery Client initialized at timestamp 1765197402847 with initial instances count: 0
flight-service   | 2025-12-08T12:36:42.842Z  INFO 1 --- [flight-service] [          main] com.netflix.discovery.Discov
eryClient    : Discovery Client initialized at timestamp 1765197402838 with initial instances count: 0
booking-service  | 2025-12-08T12:36:42.950Z  INFO 1 --- [booking-service] [          main] o.s.boot.tomcat.TomcatWebSe
rver         : Tomcat started on port 8081 (http) with context path '/'
booking-service  | 2025-12-08T12:36:42.959Z  INFO 1 --- [booking-service] [          main] .s.c.n.e.s.EurekaAutoServic
eRegistration : Updating port to 8081
booking-service  | 2025-12-08T12:36:43.061Z  INFO 1 --- [booking-service] [          main] c.s.b.BookingServiceApplica
tion          : Started BookingServiceApplication in 39.945 seconds (process running for 46.17)
flight-service   | 2025-12-08T12:36:43.371Z  WARN 1 --- [flight-service] [          main] iguration$LoadBalancerCaffei
neWarnLogger : Spring Cloud LoadBalancer is currently working with the default cache. While this cache implementation is
 useful for development and tests, it's recommended to use Caffeine cache in production.You can switch to using Caffeine
 cache, by adding it and org.springframework.cache.caffeine.CaffeineCacheManager to the classpath.
flight-service   | 2025-12-08T12:36:43.491Z  INFO 1 --- [flight-service] [          main] o.s.c.n.e.s.EurekaServiceReg
istry        : Registering application FLIGHT-SERVICE with eureka with status UP
flight-service   | 2025-12-08T12:36:43.494Z  INFO 1 --- [flight-service] [          main] com.netflix.discovery.Discov
eryClient    : Saw local status change event StatusChangeEvent [timestamp=1765197403494, current=UP, previous=STARTING]
flight-service   | 2025-12-08T12:36:43.504Z  INFO 1 --- [flight-service] [foReplicator-%d] com.netflix.discovery.Discov
eryClient    : DiscoveryClient_FLIGHT-SERVICE/8fca459155e9:flight-service:8080: registering service...
flight-service   | 2025-12-08T12:36:43.605Z  INFO 1 --- [flight-service] [          main] o.s.boot.tomcat.TomcatWebSer
ver          : Tomcat started on port 8080 (http) with context path '/'
flight-service   | 2025-12-08T12:36:43.611Z  INFO 1 --- [flight-service] [          main] .s.c.n.e.s.EurekaAutoService
Registration : Updating port to 8080
flight-service   | 2025-12-08T12:36:43.651Z  INFO 1 --- [flight-service] [          main] c.s.f.FlightServiceApplicati
on           : Started FlightServiceApplication in 40.155 seconds (process running for 46.562)
eureka-server    | 2025-12-08T12:36:43.714Z  INFO 1 --- [eureka-server] [nio-8761-exec-4] c.n.e.registry.AbstractInstan
ceRegistry   : Registered instance BOOKING-SERVICE/1a767ff023eb:booking-service:8081 with status UP (replication=false)
eureka-server    | 2025-12-08T12:36:43.714Z  INFO 1 --- [eureka-server] [nio-8761-exec-6] c.n.e.registry.AbstractInstan
```

Docker desktop

flight-management-system
D:\java\projects\flight-management-system

View configurations

```
api-gate...  •
flight-manage
8765:8765

flight-se...  •
flight-manage
8080:8080

booking-...  •
flight-manage
8081:8081

eureka-s...  •
flight-manage
8761:8761

postgres...  •
postgres:15
5435:5432

postgres...  •
postgres:15
5434:5432

postgres...  •
postgres:15
5433:5432
```

```
                                          com.netflix.discovery.DiscoveryClient    : Single vip registry refresh property : null
2025-12-08T12:37:11.450Z  INFO 1 --- [flight-service] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Force full registry fetch : false
2025-12-08T12:37:11.451Z  INFO 1 --- [flight-service] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Application is null : false
2025-12-08T12:37:11.451Z  INFO 1 --- [flight-service] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Registered Applications size is zero : true
2025-12-08T12:37:11.452Z  INFO 1 --- [flight-service] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Application version is -1: false
2025-12-08T12:37:11.454Z  INFO 1 --- [flight-service] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Getting all instance registry info from the eureka serve
api-gateway                               
2025-12-08T12:37:11.462Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Disable delta property : false
2025-12-08T12:37:11.484Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Single vip registry refresh property : null
2025-12-08T12:37:11.485Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Force full registry fetch : false
2025-12-08T12:37:11.486Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Application is null : false
2025-12-08T12:37:11.486Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Registered Applications size is zero : true
2025-12-08T12:37:11.486Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Application version is -1: false
2025-12-08T12:37:11.488Z  INFO 1 --- [api-gateway] [reshExecutor-%d]
                                          com.netflix.discovery.DiscoveryClient    : Getting all instance registry info from the eureka serve
flight-service                            2025-12-08T12:37:11.647Z  INFO 1 --- [flight-service] [reshExecutor-%d]
```

docker logs -f api-gateway


```
D:\java\projects\flight-management-system>docker logs -f api-gateway

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
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 =========|_|==============|___/=/_/_/_/

 :: Spring Boot ::                (v3.4.1)

2025-12-08T10:31:13.217Z  INFO 1 --- [api-gateway] [           main] c.s.apigateway.ApiGatewayApplication      : Starting
 ApiGatewayApplication v0.0.1-SNAPSHOT using Java 21.0.9 with PID 1 (/app/app.jar started by root in /app)
2025-12-08T10:31:13.235Z  INFO 1 --- [api-gateway] [           main] c.s.apigateway.ApiGatewayApplication      : No activ
e profile set, falling back to 1 default profile: "default"
2025-12-08T10:31:24.433Z  INFO 1 --- [api-gateway] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstra
pping Spring Data JPA repositories in DEFAULT mode.
2025-12-08T10:31:26.041Z  INFO 1 --- [api-gateway] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finished
 Spring Data repository scanning in 1462 ms. Found 2 JPA repository interfaces.
2025-12-08T10:31:33.760Z  INFO 1 --- [api-gateway] [           main] o.hibernate.jpa.internal.util.LogHelper   : HHH00020
4: Processing PersistenceUnitInfo [name: default]
2025-12-08T10:31:34.639Z  INFO 1 --- [api-gateway] [           main] org.hibernate.Version                     : HHH00041
2: Hibernate ORM core version 6.6.4.Final
2025-12-08T10:31:35.134Z  INFO 1 --- [api-gateway] [           main] o.h.c.internal.RegionFactoryInitiator     : HHH00002
6: Second-level cache disabled
2025-12-08T10:31:39.481Z  INFO 1 --- [api-gateway] [           main] o.s.o.j.p.SpringPersistenceUnitInfo       : No LoadT
imeWeaver setup: ignoring JPA class transformer
```

docker logs -f flight-service


```
D:\java\projects\flight-management-system>docker logs -f flight-service

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
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 :: Spring Boot ::                (v4.0.0)

2025-12-08T10:31:10.529Z  INFO 1 --- [flight-service] [           main] c.s.f.FlightServiceApplication           : Start
ing FlightServiceApplication v0.0.1-SNAPSHOT using Java 21.0.9 with PID 1 (/app/app.jar started by root in /app)
2025-12-08T10:31:10.618Z  INFO 1 --- [flight-service] [           main] c.s.f.FlightServiceApplication           : No ac
tive profile set, falling back to 1 default profile: "default"
2025-12-08T10:31:21.781Z  INFO 1 --- [flight-service] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Boots
trapping Spring Data JPA repositories in DEFAULT mode.
2025-12-08T10:31:22.972Z  INFO 1 --- [flight-service] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Finis
hed Spring Data repository scanning in 1143 ms. Found 2 JPA repository interfaces.
2025-12-08T10:31:29.290Z  INFO 1 --- [flight-service] [           main] o.s.boot.tomcat.TomcatWebServer          : Tomca
t initialized with port 8080 (http)
2025-12-08T10:31:29.362Z  INFO 1 --- [flight-service] [           main] o.apache.catalina.core.StandardService   : Start
ing service [Tomcat]
2025-12-08T10:31:29.363Z  INFO 1 --- [flight-service] [           main] o.apache.catalina.core.StandardEngine    : Start
ing Servlet engine: [Apache Tomcat/11.0.14]
2025-12-08T10:31:29.580Z  INFO 1 --- [flight-service] [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Root
```

docker logs -f booking-service

```
D:\java\projects\flight-management-system>docker logs -f booking-service

  .   ____          _            __ _ _
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 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
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 :: Spring Boot ::                (v4.0.0)

2025-12-08T10:31:10.988Z  INFO 1 --- [booking-service] [           main] c.s.b.BookingServiceApplication          : Star
ting BookingServiceApplication v0.0.1-SNAPSHOT using Java 21.0.9 with PID 1 (/app/app.jar started by root in /app)
2025-12-08T10:31:11.042Z  INFO 1 --- [booking-service] [           main] c.s.b.BookingServiceApplication          : No a
ctive profile set, falling back to 1 default profile: "default"
2025-12-08T10:31:21.667Z  INFO 1 --- [booking-service] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Boot
strapping Spring Data JPA repositories in DEFAULT mode.
2025-12-08T10:31:22.900Z  INFO 1 --- [booking-service] [           main] .s.d.r.c.RepositoryConfigurationDelegate : Fini
shed Spring Data repository scanning in 1151 ms. Found 2 JPA repository interfaces.
2025-12-08T10:31:29.293Z  INFO 1 --- [booking-service] [           main] o.s.boot.tomcat.TomcatWebServer          : Tomc
at initialized with port 8081 (http)
2025-12-08T10:31:29.376Z  INFO 1 --- [booking-service] [           main] o.apache.catalina.core.StandardService   : Star
ting service [Tomcat]
2025-12-08T10:31:29.379Z  INFO 1 --- [booking-service] [           main] o.apache.catalina.core.StandardEngine    : Star
ting Servlet engine: [Apache Tomcat/11.0.14]
2025-12-08T10:31:29.667Z  INFO 1 --- [booking-service] [           main] b.w.c.s.WebApplicationContextInitializer : Root
 WebApplicationContext: initialization completed in 17576 ms
2025-12-08T10:31:31.131Z  INFO 1 --- [booking-service] [           main] o.hibernate.jpa.internal.util.LogHelper   : HHH0
00204: Processing PersistenceUnitInfo [name: default]
```
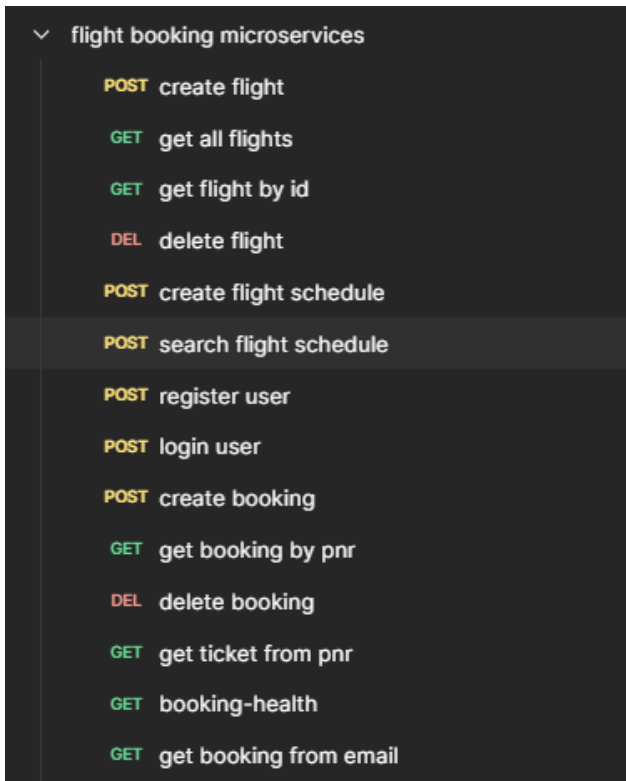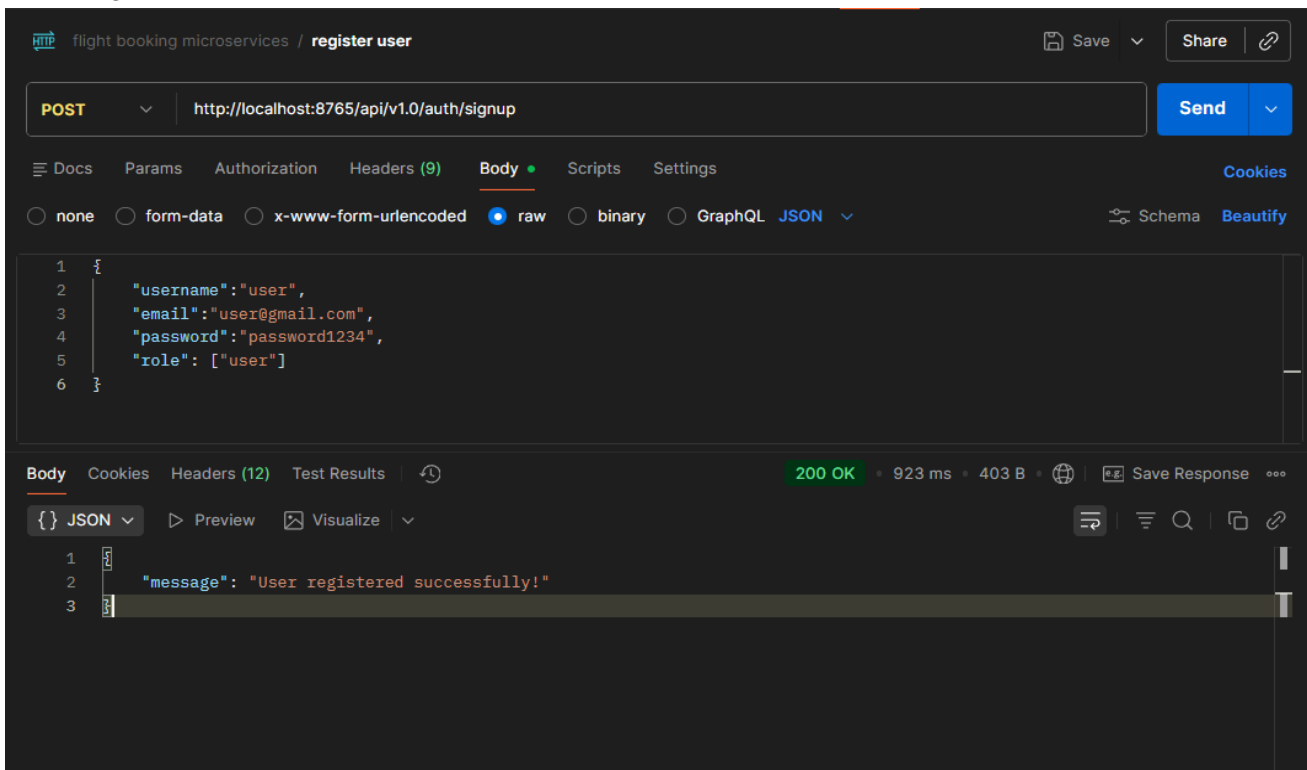
Postman Screenshots
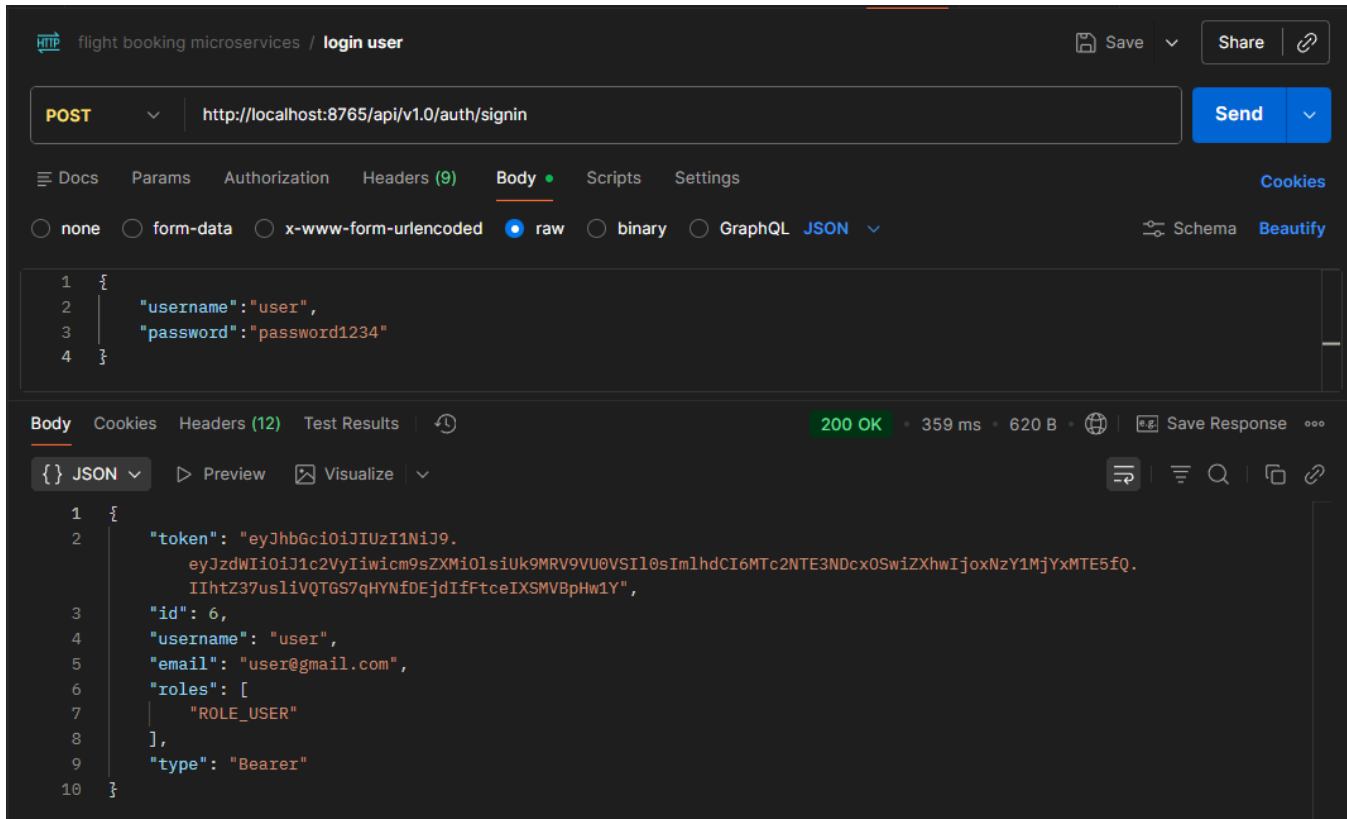
Complete api endpoints in postman, json file included in github repo

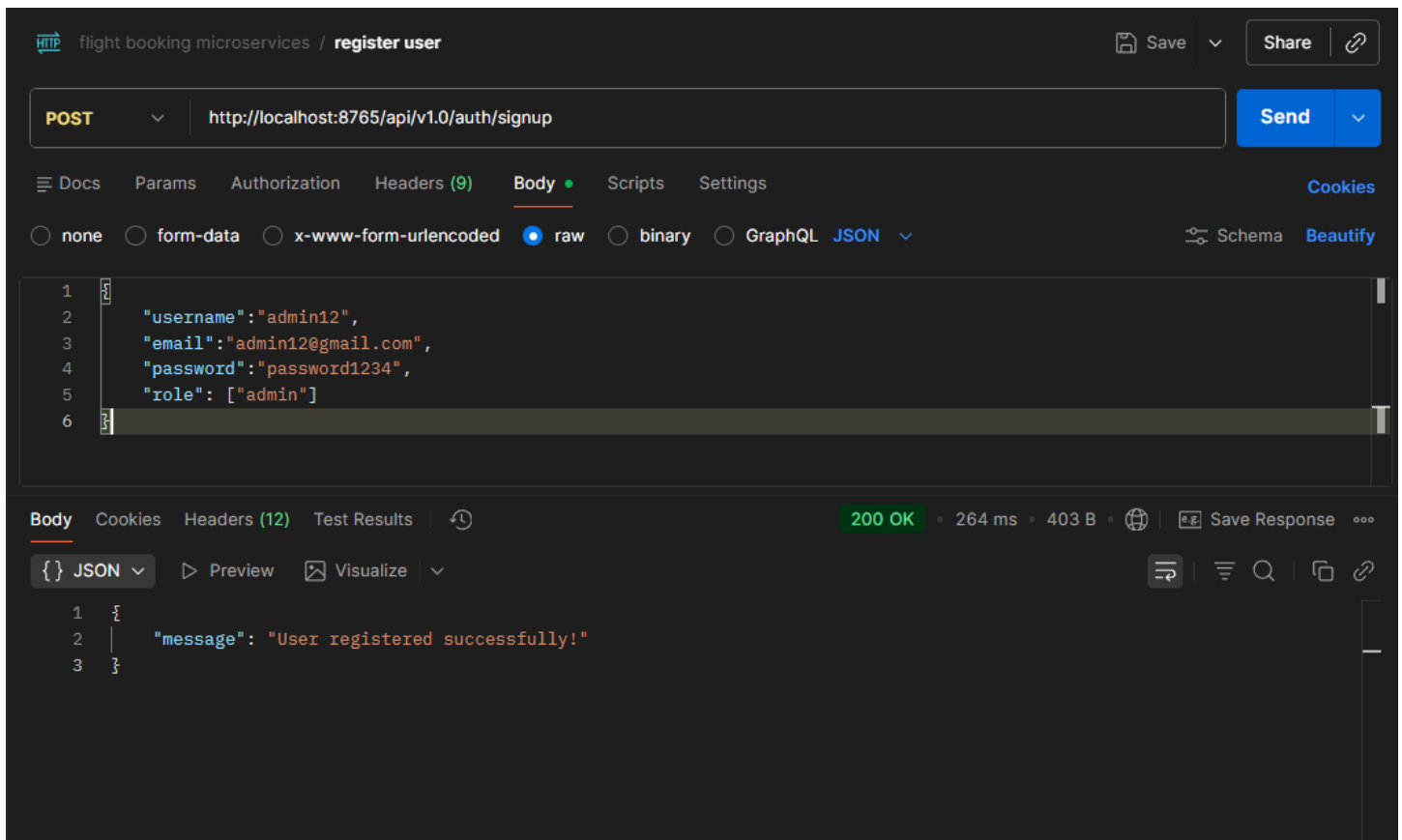
User Register - public route

User Login - public route

flight booking microservices / **login user**

Save ⌄ | Share 🔗

POST ⌄ | http://localhost:8765/api/v1.0/auth/signin | **Send** ⌄

≡ Docs   Params   Authorization   Headers (9)   **Body** •   Scripts   Settings   **Cookies**

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ⌄   ⟐ Schema   **Beautify**

```
1   {
2       "username":"user",
3       "password":"password1234"
4   }
```

Body Cookies Headers (12) Test Results 🕐   **200 OK** • 359 ms • 620 B • 🌐 | ⌨ Save Response ⠿

{ } JSON ⌄   ▷ Preview   🖼 Visualize ⌄   ⥂ ☰ Q 🗐 🔗

```
1   {
2       "token": "eyJhbGciOiJIUzI1NiJ9.
            eyJzdWIiOiJ1c2VyIiwicm9sZXMiOlsiUk9MRV9VU0VSIl0sImlhdCI6MTc2NTE3NDcxOSwiZXhwIjoxNzY1MjYxMTE5fQ.
            IIhtZ37usliVQTGS7qHYNfDEjdIfFtceIXSMVBpHw1Y",
3       "id": 6,
4       "username": "user",
5       "email": "user@gmail.com",
6       "roles": [
7           "ROLE_USER"
8       ],
9       "type": "Bearer"
10  }
```

Admin Signup - public route

flight booking microservices / **register user**

Save ⌄ | Share 🔗

POST ⌄ | http://localhost:8765/api/v1.0/auth/signup | **Send** ⌄

≡ Docs   Params   Authorization   Headers (9)   **Body** •   Scripts   Settings   **Cookies**

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ⌄   ⟐ Schema   **Beautify**

```
1   {
2       "username":"admin12",
3       "email":"admin12@gmail.com",
4       "password":"password1234",
5       "role": ["admin"]
6   }
```

Body Cookies Headers (12) Test Results 🕐   **200 OK** • 264 ms • 403 B • 🌐 | ⌨ Save Response ⠿

{ } JSON ⌄   ▷ Preview   🖼 Visualize ⌄   ⥂ ☰ Q 🗐 🔗

```
1   {
2       "message": "User registered successfully!"
3   }
```

Admin Login - public route

flight booking microservices / **login user**   Save   Share

POST   http://localhost:8765/api/v1.0/auth/signin   **Send**

Docs   Params   Authorization   Headers (9)   Body •   Scripts   Settings   **Cookies**

none   form-data   x-www-form-urlencoded   ● raw   binary   GraphQL   JSON   Schema   Beautify

```
1  {
2      "username":"admin12",
3      "password":"password1234"
4  }
```

Body   Cookies   Headers (12)   Test Results   **200 OK** · 217 ms · 632 B ·   Save Response

{ } JSON   ▷ Preview   Visualize

```
1  {
2      "token": "eyJhbGciOiJIUzI1NiJ9.
        eyJzdWIiOiJhZG1pbjEyIiwicm9sZXMiOlsiUk9MRV9BRE1JTiJdLCJpYXQiOjE3NjUxNzQ3ODQsImV4cCI6MTc2NTI2MTE4M30.
        2xjssershJ8mQCuqM4DkwPEBczToLlOIvVZoj8fodNU",
3      "id": 7,
4      "username": "admin12",
5      "email": "admin12@gmail.com",
6      "roles": [
7          "ROLE_ADMIN"
8      ],
9      "type": "Bearer"
10 }
```

Admin only protected routes

flight booking microservices / **create flight**   Save   Share

POST   http://localhost:8765/api/v1.0/flight/admin/flights   **Send**

Docs   Params   Authorization •   Headers (10)   Body •   Scripts   Settings   **Cookies**

Auth Type

Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about **Bearer Token** authorization.

Token   CuqM4DkwPEBczToLlOIvVZoj8fodNU

Body   Cookies   Headers (13)   Test Results   **201 Created** · 1.87 s · 540 B ·   Save Response

{ } JSON   ▷ Preview   Visualize

```
1  {
2      "message": "Flight created successfully with flight number: AI997",
3      "status": "CREATED",
4      "id": "f3fef3db-9c6b-4274-8953-6c8d78eea14a"
5  }
```

Negative test - without Bearer token - 401 unauthorized

flight booking microservices / **create flight**

💾 Save ∨   **Share** 🔗

POST ∨   http://localhost:8765/api/v1.0/flight/admin/flights   **Send** ∨

Docs   Params   Authorization ●   Headers (10)   **Body** ●   Scripts   Settings   **Cookies**

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ∨   Schema   **Beautify**

```
1  {
2      "flightNumber": "AI9998",
3      "airline": "AIR_INDIA",
4      "originAirport": "HYD",
5      "destinationAirport": "DEL",
6      "seatCapacity": 3
7  }
```

Body   Cookies   Headers (9)   Test Results   🕘   **401 Unauthorized** · 39 ms · 389 B · 🌐   Save Response ⋯

{} JSON ∨   ▷ Preview   Debug with AI ∨

```
1  {
2      "path": "/api/v1.0/flight/admin/flights",
3      "error": "Unauthorized",
4      "message": "Not Authenticated",
5      "status": 401
6  }
```

Get all flights - with admin bearer token

flight booking microservices / **get all flights** 🔗

💾 Save ∨   **Share** 🔗

GET ∨   http://localhost:8765/api/v1.0/flight/admin/flights   **Send** ∨

Docs   Params   **Authorization** ●   Headers (8)   Body   Scripts   Settings   Cooki

Auth Type

Be... ∨

Token   AhEZ10WRuuT9RXkFrTcBLTWQ9KUsc 👁 ⚠

Body   Cookies   Headers (13)   Test Results   🕘   **200 OK** · 121 ms · 2.25 KB · 🌐   Save Response

{} JSON ∨   ▷ Preview   🖼 Visualize ∨

```
1  [
2      {
3          "id": "ee72d147-3585-42c1-85dd-e2ca43db7c89",
4          "flightNumber": "AI100",
5          "airline": "AIR_INDIA",
6          "originAirport": "HYD",
7          "destinationAirport": "DEL",
8          "seatCapacity": 180
9      },
10     {
11         "id": "a602ec31-964a-4ae9-ba80-72fb0ecd84b2",
12         "flightNumber": "AI104",
13         "airline": "AIR_INDIA",
14         "originAirport": "HYD",
15         "destinationAirport": "DEL",
```

Negative test

Get Flight By Id

Delete Flight

DELETE http://localhost:8765/api/v1.0/flight/admin/flights/f3fef3db-9c6b-4274-8953-6c8d78eea14a

flight booking microservices / **delete flight**

Save ⌄   Share ⚲

Docs   Params   Authorization •   Headers (8)   Body   Scripts   Settings   Cookies

Auth Type

Bearer Token ⌄   Token   CuqM4DkwPEBczToLlOlvVZoj8fodNU ⊘ ⚠

The authorization header will be
automatically generated when you

Body   Cookies   Headers (13)   Test Results   ⟲   200 OK · 187 ms · 475 B · 🌐   Save Response ⋯

{} JSON ⌄   ▷ Preview   ⊠ Visualize ⌄

1 {
2   "message": "Flight deleted successfully",
3   "status": "DELETED",
4   "id": null
5 }

Create Flight Schedule

POST http://localhost:8080/api/v1.0/flight/admin/inventory

flight booking microservices / **create flight schedule**

Save ⌄   Share ⚲

Docs   Params   Authorization •   Headers (10)   Body •   Scripts   Settings   Cookies

Auth Type

Bearer Token ⌄   Token   CuqM4DkwPEBczToLlOlvVZoj8fodNU ⊘ ⚠

The authorization header will be
automatically generated when you send
the request. Learn more about
Bearer Token authorization.

Body   Cookies   Headers (11)   Test Results   ⟲   201 Created · 108 ms · 470 B · 🌐   Save Response ⋯

{} JSON ⌄   ▷ Preview   ⊠ Visualize ⌄

1 {
2   "message": "Flight schedule created successfully for flight: AI999",
3   "status": "CREATED",
4   "id": "0faad41e-613f-4725-b18d-2054fda7ff31"
5 }

Search Flight Schedule - public route (Anyone can access this end point)

Save ∨   Share 🔗

POST ∨   http://localhost:8080/api/v1.0/flight/admin/search   **Send** ∨

≡ Docs   Params   Authorization   Headers (9)   Body ●   Scripts   Settings   **Cookies**

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ∨   ⇄ Schema   **Beautify**

```
1  {
2      "originAirport": "HYD",
3      "destinationAirport": "DEL",
4      "flightDate": "2025-12-25"
5  }
```

Body   Cookies   Headers (11)   Test Results   ↺   **200 OK** • 457 ms • 3.04 KB • 🌐 | 🔳 Save Response ⚬⚬⚬

{} JSON ∨   ▷ Preview   🖼 Visualize ∨   ⇄ ≡ 🔍 🗋 🔗

```
1  [
2      {
3          "scheduleId": "afb0789f-acde-44d2-9bd3-ae561bc7a879",
4          "flightId": "ee72d147-3585-42c1-85dd-e2ca43db7c89",
5          "flightNumber": "AI100",
6          "airline": "AIR_INDIA",
7          "originAirport": "HYD",
8          "destinationAirport": "DEL",
9          "flightDate": "2025-12-25",
10         "departureTime": "10:00:00",
11         "arrivalTime": "12:30:00",
12         "fare": 4500.00,
13         "totalSeats": 180,
```

Create Booking - Admin & User protected

Save ∨   Share 🔗

POST ∨   http://localhost:8765/api/v1.0/flight/booking/0faad41e-613f-4725-b18d-2054fda7ff31   **Send** ∨

≡ Docs   Params   Authorization ●   Headers (10)   Body ●   Scripts   Settings   **Cookies**

Auth Type

Bearer Token ∨

The authorization header will be automatically generated when you send the request. Learn more about

Token   CuqM4DkwPEBczToLlOIvVZoj8fodNU 👁 🔒

Body   Cookies   Headers (13)   Test Results   ↺   **201 Created** • 5.54 s • 415 B • 🌐 | 🔳 Save Response ⚬⚬⚬

🔤 Raw ∨   ▷ Preview   🖼 Visualize ∨   ⇄ 🔍 🗋 🔗

```
1  5KKDMV
```

Get Booking by PNR - Admin & User protected

flight booking microservices / **get booking by pnr**

💾 Save ⌄   Share 🔗

GET ⌄   http://localhost:8081/api/v1.0/flight/booking/5KKDMV   **Send** ⌄

≡ Docs   Params   Authorization •   Headers (8)   Body   Scripts   Settings   **Cookies**

Auth Type

Bearer Token ⌄   Token   CuqM4DkwPEBczToLlOlvVZoj8fodNU 👁 🔒⚠

Body   Cookies   Headers (11)   Test Results   🕐   **200 OK** · 135 ms · 671 B · 🌐   🔳 Save Response ⚬⚬⚬

{} JSON ⌄   ▷ Preview   🖼 Visualize ⌄   ⇄ ≡ 🔍 📋 🔗

```
 1  {
 2      "bookingId": "2c299832-5675-4eb1-81a4-af2427ba3ab5",
 3      "pnr": "5KKDMV",
 4      "contactEmail": "user@gmail.com",
 5      "scheduleIds": [
 6          "0faad41e-613f-4725-b18d-2054fda7ff31"
 7      ],
 8      "passengers": [
 9          {
10              "fullName": "John Doe",
11              "gender": "MALE",
12              "age": 30,
13              "seatNumber": "1u",
14              "mealOption": "VEG"
15          }
16      ],
```

Delete Booking - Admin & User protected

flight booking microservices / **delete booking**

💾 Save ⌄   Share 🔗

DELETE ⌄   http://localhost:8765/api/v1.0/flight/booking/cancel/5KKDMV   **Send** ⌄

≡ Docs   Params   Authorization •   Headers (8)   Body   Scripts   Settings   **Cookies**

Auth Type

Bearer Token ⌄   Token   CuqM4DkwPEBczToLlOlvVZoj8fodNU 👁 🔒⚠

The authorization header will be

Body   Cookies   Headers (13)   Test Results   🕐   **200 OK** · 317 ms · 482 B · 🌐   🔳 Save Response ⚬⚬⚬

{} JSON ⌄   ▷ Preview   🖼 Visualize ⌄   ⇄ ≡ 🔍 📋 🔗

```
 1  {
 2      "message": "Booking and tickets cancelled successfully",
 3      "status": "CANCELLED"
 4  }
```

Get Ticket from PNR - Admin & User protected

GET http://localhost:8765/api/v1.0/flight/ticket/K68O2H **Send**

Docs Params Authorization • Headers (8) Body Scripts Settings Cookies

Auth Type

Bearer Token

Token CuqM4DkwPEBczToLlOIvVZoj8fodNU

The authorization header will be

Body Cookies Headers (13) Test Results 200 OK • 59 ms • 746 B • Save Response

{} JSON ▷ Preview Visualize

```json
1  {
2      "ticketId": "ad3657a8-e54e-4b42-b089-d84aff72ff74",
3      "pnr": "K68O2H",
4      "scheduleId": "0faad41e-613f-4725-b18d-2054fda7ff31",
5      "passengers": [
6          {
7              "fullName": "John Doe",
8              "gender": "MALE",
9              "age": 30,
10             "seatNumber": "1u",
11             "mealOption": "VEG"
12         }
13     ],
14     "createdAt": "2025-12-08T12:08:03.521851",
15     "updatedAt": "2025-12-08T12:08:03.521851",
```

Get Booking from Email - Admin & User protected

GET http://localhost:8081/api/v1.0/flight/bookings/email/user@gmail.com **Send**

Docs Params Authorization • Headers (8) Body Scripts Settings Cookies

Auth Type

Bearer Token

Token CuqM4DkwPEBczToLlOIvVZoj8fodNU

Body Cookies Headers (12) Test Results 200 OK • 30 ms • 1.03 KB • Save Response

{} JSON ▷ Preview Visualize

```json
1  [
2      {
3          "bookingId": "2c299832-5675-4eb1-81a4-af2427ba3ab5",
4          "pnr": "5KKDMV",
5          "contactEmail": "user@gmail.com",
6          "scheduleIds": [
7              "0faad41e-613f-4725-b18d-2054fda7ff31"
8          ],
9          "passengers": [
10             {
11                 "fullName": "John Doe",
12                 "gender": "MALE",
13                 "age": 30,
14                 "seatNumber": "1u",
15                 "mealOption": "VEG"
```
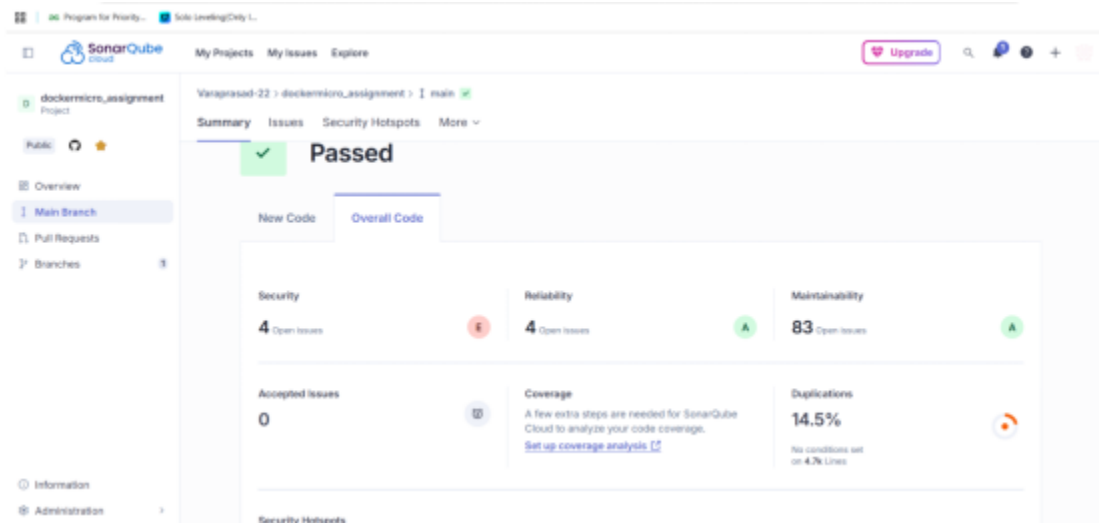
Jacoco report - api-gateway

api-gateway

api-gateway

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
com.saiteja.apigateway.security.jwt		52%		30%	15	32	48	100	5	19	0	4
com.saiteja.apigateway.security.services		67%		0%	10	21	12	38	7	18	0	2
com.saiteja.apigateway.dto.response		63%		n/a	7	16	14	32	7	16	0	2
com.saiteja.apigateway.service		85%		80%	5	14	3	43	3	9	0	1
com.saiteja.apigateway.config		38%		50%	2	4	6	10	0	2	0	1
com.saiteja.apigateway.security		93%		0%	4	13	5	36	1	10	0	1
com.saiteja.apigateway.model		84%		n/a	1	3	3	12	1	3	1	3
com.saiteja.apigateway		37%		n/a	1	2	2	3	1	2	0	1
com.saiteja.apigateway.controller		100%		100%	0	7	0	11	0	6	0	1
com.saiteja.apigateway.dto.request		100%		n/a	0	14	0	20	0	14	0	2
Total	341 of 1,223	72%	34 of 54	37%	45	126	93	305	25	99	1	18

Sonar Qube reports
before:

after: