
Infrabooking App

Case study Problem Statement

This App helps teams within organization to book infra for official meetings.

Server-Side development is done using Spring Boot microservices.

This application is secured using JWT Authentication.

Technology used-

Java 17,

Spring Data JPA,

Spring Boot microservices,

MySQL,

Eureka,

API Gateway,

Config server

Test each endpoint by writing RestClient

Infra Booking App

Actors:

Administrator: - He has authority to add new Room, edit room, delete Room,

Employee: - He can perform booking, cancel booking, view all booking

Develop following entities.

Use Spring Data JPA.

Entity Class	Attributes
Employee	id: int email: String password: String roles : List<String>
Room	id : int capacity : int, type: String
Booking	Id:int stakeholder : int purpose : String participants : int

Develop following REST endpoints.

Sr No	URL + Method	Status Code	Header	Entity	Functionality	ROLE
Booking Service						
1	/booking GET	200	Accept Content-Type For JSON	Booking	To get all Bookings	Anyone
2	/booking/{id} GET	200	Accept Content-Type For JSON Jwttoken	Booking	Get Booking Object with id	USER, ADMIN
3	/booking/{id} PUT	200	Accept Content-Type For JSON. Jwttoken	Booking	To update booking by id	USER, ADMIN
4	/booking/{id} DELETE	204	Jwttoken	Booking	To Cancel Booking	USER, ADMIN
5	/booking POST	201	Accept Content-Type For JSON. Jwttoken	Booking	To create new Booking	USER
Room Service						
6	/room GET	200	Authorization Jwttoken	Room	To Get All Rooms	ADMIN
7	/room/{id} GET	200	Accept Content-Type For JSON. Jwttoken	Room	To find room object by id	ADMIN
8	/room/{id} DELETE	204	Jwttoken	Room	To delete Room by id	ADMIN
9	/room/{id} PUT	200	Accept Content-Type For JSON. Jwttoken	Room	To update room	ADMIN
10	/room POST	201	Jwttoken	Room	To create new Room	ADMIN