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Movie Ticket Reservation(PROTOTYPE API)

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OVERVIEW

Flight reservation system is a **Spring boot** application and **REST API** that can be used as a microservice by **Booking Application**(spring boot project) Which allows users to book, Get All Bookings, get specific booking, Update Booking and Cancel bookings with static data in the MySQL Database Through **OBJECT RELATIONAL MAPPING**.

GOALS

The Goal is to build a Movie Ticket reservation service application that is easy to use and can be used by Client applications either using Spring boot or Angular or in any framework which supports it.

Software Requirements.

1. Windows
2. Eclipse with Spring Configured
3. MySQL Workbench
4. Apache tomcat
5. Postman to test API Service
6. VS Code to build Angular client(if needed)

User stories

User story 1

As a Portal assistant, I want to see all the bookings.

Acceptance Criteria:-

1) Display all the bookings available.
2) Users should be able to cancel or update their Bookings.

User story 2

As a user, I want to book movie tickets.

Acceptance Criteria:-

1) Display form to provide the booking details
2) By clicking the book now User can book the tickets.(Currently all are tested through postman, there is no UI, but one can build if needed).

User story 3

As a User, I should be able to see my booking.

Acceptance Criteria:-

1) Display Booking once user enter the booking ID
2) After seeing the booking he/she can perform other operations like update and delete.

User story 4

As a user, I should be able to cancel my booking.

Acceptance Criteria:-

1) Display Booking once user enter the booking ID
2) After fetching the booking by ID User should be able to cancel his/her booking.

User story 5

As a user, I want to update my booking Information.

Acceptance Criteria:-

1) Display Booking once user enter the booking ID
2) After fetching the booking by ID User should be able to update his/her booking.

FUNCTIONALITIES

Below are the listed functionality of the system.

1) **Retrieve** all the bookings.
2) **Retrieve** bookings by id.
3) **Create** new bookings.
4) **Cancel** bookings.
5) **Update** bookings.

API Implementation:-

Feature Exposed as API:

1) Booking Application will use this API to access our booking services.
2) For these features to be used by Any booking clients Application we need our software as an API service.

API ENDPOINTS:

1) To retrieve all bookings
   http://localhost:8081/BookMyShow/Service/getAllBooking
2) To retrieve booking by Id
   http://localhost:8081/BookMyShow/Service/getBooking/{id}
3) To Create new booking
   http://localhost:8081/BookMyShow/Service/bookingShow
4) To cancel booking
   http://localhost:8081/BookMyShow/Service/cancelBooking/{id}
5) To update booking
   http://localhost:8081/BookMyShow/Service/updateBooking/{id}

Note:- All the endpoints are tested using the postman rest client tool.

Movie Booking client Application(PROTOTYPE)

OVERVIEW

Movie Booking client application is a **spring boot Application(using web Client)** that implements Movie booking service using **API Endpoints**.

Functionalities:

Below are the listed functionality of the system.

6) **Retrieve** all the bookings.
7) **Retrieve** bookings by id.
8) **Create** new bookings.
9) **Cancel** bookings.
10) **Update** bookings.

ENDPOINT URL:

1) To retrieve all bookings
   `http://localhost:8080/bookMyShow-client/trackBookings`
2) To retrieve booking by Id
   `http://localhost:8080/bookMyShow-client/trackBooking/{bookingId}`
3) To Create new booking
   `http://localhost:8080/bookMyShow-client/trackBooking/{bookingId}`
4) To cancel booking
   `http://localhost:8080/bookMyShow-client/trackBooking/{bookingId}`
5) To update booking
   `http://localhost:8080/bookMyShow-client/trackBooking/{bookingId}`

SUMMARY:

This documentation contains the process and specification about Movie Ticket Booking Service As well as Booking client Application.

Note: Source code and demo of both the projects can be provided on request.