



MUZIX APP

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INTRODUCTION



1. Remember those times when the only source of music was CD collections, and if you wanted to listen to something new, you needed to buy a new CD or exchange it with your classmates?
2. Now, thanks to music apps, you have access to any track by any singer available on the Internet.
3. As well as this, those apps created new standards for music applications – they should be fast, consume fewer resources, and deliver tracks to users in a matter of clicks.

MODULES



1. Building the Account Manager
2. Building the Muzix Manager
3. Write Unit Test Cases
4. Implement CI - continuous Integration
5. Writing Swagger Documentation
6. Dockerize the MuzixManager Service

PROBLEM STATEMENT



1. Creating a server in Spring Boot to facilitate registration and login with MySQL as backend. Upon login, JWT token has to be generated.

2. User should be able to:

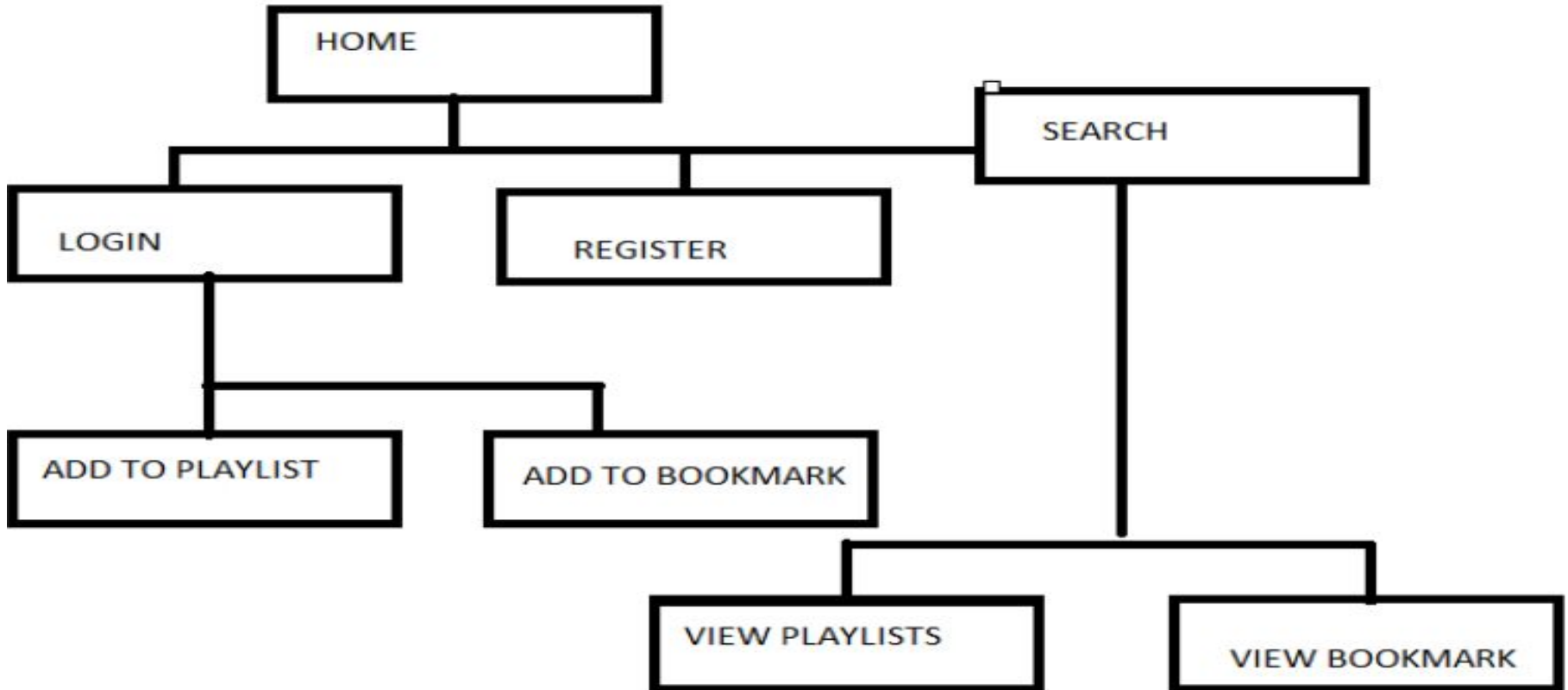
Search music

Bookmark music

Create playlists

3. Account Manager should be able to manage user accounts.

PROJECT FLOW



POSTMAN SCREENSHOT

The screenshot displays the Postman application interface. At the top, there's a navigation bar with a search bar labeled "Search Postman", an "Invite" button, and icons for settings, notifications, and a profile. Below this, a banner mentions "Integration, Postman for gRPC, and Postman CLI." with "Join Waitlist" and "Learn More" buttons.

The main workspace shows a request setup for `http://localhost:3345/authenticate`. The request method is **POST**. The request body is in **raw** format, containing a JSON object:

```
{  "username": "ankit",  "password": "ankit123"}
```

The response is displayed below the request, with a status of **200 OK**, a time of **193 ms**, and a size of **478 B**. The response body is shown in **Text** format:

```
eyJhbGciOiJIUzI1NiIsInR5cGU6IjY0ODZMTiZfQ.DW7-hwAW4tndbRko9511xs6e9x2YWituFexOpwL5ROE
```

The interface includes various tabs for request configuration (Params, Authorization, Headers, Body, Pre-request Script, Tests, Settings) and response viewing (Body, Cookies, Headers, Test Results). A "Send" button is used to execute the request.

Working locally in Scratch Pad. [Switch to a Workspace](#)

Overview

New Collec

POST http://

DEL http://k

POST http://

POST http://



...

No Environment



http://localhost:9191/api/save

Save



POST



http://localhost:9191/api/save

Send



Params Authorization Headers (10) Body • Pre-request Script Tests Settings

Cookies

Body Cookies Headers (3) Test Results



201 Created

38 ms

193 B

Save Response



Pretty

Raw

Preview

Visualize

JSON



```
1 {  
2   "songId": 102,  
3   "songName": "party",  
4   "singerName": "rama",  
5   "composedBy": "dsc"  
6 }
```


System Status

Environment	test	Current time	2022-09-11T00:15:28 +0530
Data center	default	Uptime	00:14
		Lease expiration enabled	true
		Renews threshold	6
		Renews (last min)	12

DS Replicas

localhost

Instances currently registered with Eureka

Application	AMIs	Availability Zones	Status
ACCOUNT-MANAGER	n/a (1)	(1)	UP (1) - ANKITKPF13FP8V.opentext.net:ACCOUNT-MANAGER:3345
API-GATEWAY	n/a (1)	(1)	UP (1) - ANKITKPF13FP8V.opentext.net:API-GATEWAY:9191
MUZX-MANAGER	n/a (1)	(1)	UP (1) - ANKITKPF13FP8V.opentext.net:MUZX-MANAGER:2245

General Info

SPRINGBOOT-WITH-RESTAPI-SWAGGER

This is my first Swagger Application

Created by SOWMYA

See more at <http://localhost:2245/api/musics>

[Contact the developer](#)

[Apache 2.0](#)

bookmark-controller : Bookmark Controller

[Show/Hide](#)[List Operations](#)[Expand Operations](#)

GET	/api/bookmarks	getAllBookmark
GET	/api/bookmarks/{userId}	getBookmarksByUserId
DELETE	/api/delbookmark/{songName}	deleteBookmarkBysongName
GET	/api/getbookmark/{songName}	getBookmarkBysongName
GET	/api/getbookmarks/{id}	getBookmarkById
POST	/api/saving	saveBookmark

music-controller : Music Controller

[Show/Hide](#)[List Operations](#)[Expand Operations](#)

DELETE	/api/delmusic/{id}	deleteMusicById
GET	/api/getmusic/{songName}	getMusicBysongName
GET	/api/getmusics/{singerName}	getMusicBysingerName
GET	/api/getmusicsid/{songId}	getMusicBysongId

FINAL - muzix/src/main/java/com/itc/main/controller/BookmarkCont

File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind

Package Explorer JUnit x

Finished after 6.954 seconds

Runs: 3/3 Errors: 0 Failures: 0

MusicRepositoryTest [Runner: JUnit 5] (0.243 s)

testNotNull() (0.148 s)

saveAccountTest() (0.077 s)

getUserByldTest() (0.016 s)

Failure Trace

Boot Dashboard x

Type tags, projects, or working set names to match (incl. * and ? wildc

local

accountmanager [devtools] [:3345]

GateWayAPI [devtools] [:9191]

muzix [devtools] [:2245]

service-registry [:8761]

FINAL - muzix/src/main/java/com/itc/main/controller/BookmarkCont

File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind

Package Explorer JUnit x

Finished after 6.781 seconds

Runs: 1/1 Errors: 0 Failures: 0

MuzixApplicationTests [Runner: JUnit 5] (0.122 s)

Failure Trace

Boot Dashboard x

Type tags, projects, or working set names to match (incl. * and ? wildc

local

accountmanager [devtools] [:3345]

GateWayAPI [devtools] [:9191]

muzix [devtools] [:2245]

service-registry [:8761]

FINAL - muzix/src/main/java/com/itc/main/controller/BookmarkCont

File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind

Package Explorer JUnit x

Finished after 6.864 seconds

Runs: 3/3 Errors: 0 Failures: 0

PlaylistsRepositoryTest [Runner: JUnit 5] (0.292 s)

testNotNull() (0.139 s)

saveAccountTest() (0.109 s)

getUserByldTest() (0.041 s)

Failure Trace

Boot Dashboard x

Type tags, projects, or working set names to match (incl. * and ? wildc

local

accountmanager [devtools] [:3345]

GateWayAPI [devtools] [:9191]

muzix [devtools] [:2245]

service-registry [:8761]

FINAL - muzix/src/main/java/com/itc/main/controller/BookmarkCont

File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind File Edit Source Refactor Navigate Search Project Run Wind

Package Explorer JUnit x

Finished after 6.405 seconds

Runs: 1/1 Errors: 0 Failures: 0

AccountManagerApplicationTests [Runner: JUnit 5] (0.122 s)

Failure Trace

Boot Dashboard x

Type tags, projects, or working set names to match (incl. * and ? wildc

local

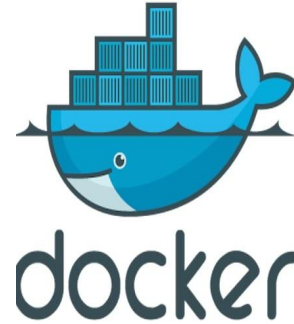
accountmanager [devtools] [:3345]

GateWayAPI [devtools] [:9191]

muzix [devtools] [:2245]

service-registry [:8761]

TOOLS/TECHNOLOGIES USED



Thank You!