CPSC 449 - Back-End Engineering
Swati Bade
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Music System Project-2 Documentation

User Microservice :

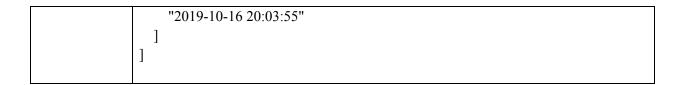| Title	Create a new user
URL	http://127.0.0.1:5000/users
Method	POST

Request	{
	"user_name":"Prerna Shastri",
	"password":"Plain Password",
	"display_name":"Prerna",
	"email_id":"prernaplay@test.com",
	"home_url":"/prerna/homeurl/"
	}

Response	**Location : http://127.0.0.1:5000/users/Prerna%20Shastri**

Title	Retrieve a single user's profile, which includes all information except the hashed password
URL	http://127.0.0.1:5000/users/<user_name>
Method	GET
Request	http://127.0.0.1:5000/users/Prerna Shastri

Response	[
	  [
	    "Prerna Shastri",
	    "Prerna",
	    "prernaplay@test.com",
	    "/prerna/homeurl/",
	    "2019-10-16 20:03:55"
	  ]
	]

Title	User's microservice: Retrieve all users profiles
URL	http://127.0.0.1:5000/users

Method	GET
Request	http://127.0.0.1:5000/users

Response	[
	  [
	    "SwatiBade",
	    "Swati Bade",
	    "swati@test.com",
	    "/swati/homeurl/",
	    "2019-10-11 08:26:26"
	  ],
	  [
	    "test",
	    "test",
	    "test@test.com",
	    "/test/homeurl/",
	    "2019-10-12 23:21:21"
	  ],
	  [
	    "test finak",
	    "testfinal",
	    "testfinal@test.com",
	    "/test/homeurl/abcdsdv/sfdsfsdf",
	    "2019-10-16 03:09:12"
	  ],
	  [
	    "Swati123",
	    "SharvahriK2",
	    "swatiiabcdt@test.com",
	    "/swati/homeurl/",
	    "2019-10-16 19:37:05"
	  ],
	  [
	    "Swatfii123",
	    "SharfvahriK2",
	    "swatiiabcfdt@test.com",
	    "/swati/homeurl/",
	    "2019-10-16 19:49:59"
	  ],
	  [
	    "Prerna Shastri",
	    "Prerna",
	    "prernaplay@test.com",
	    "/prerna/homeurl/",

	"2019-10-16 20:03:55"]]

Title	Delete a user
URL	http://127.0.0.1:5000/users/<user_name>
Method	DELETE
Request	url: http://127.0.0.1:5000/users/SwatiBade
Response	User deleted successfully

Title	Change a user's password
URL	http://127.0.0.1:5000/users
Method	PUT

Request	{
	"user_name":"Prerna Shastri",
	"password":"Plain Password",
	"new_password":"New Password"
	}

Response	{
	   "new_password": "New Password",
	   "password": "Plain Password",
	   "user_name": "Prerna Shastri"
	}

Title	Users microservice: User authentication
URL	http://127.0.0.1:5000/users/auth
Method	POST

Request	{
	"user_name":"Prerna Shastri",
	"password":"New Password"
	}

Response	User Authorized

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Descriptions microservice:

Title	Set a user's description of a track
URL	http://127.0.0.1:5300/descriptions
Method	POST

Request	{
	"user_name":"Prerna Shastri",
	"track_title":"Incomplete 101",
	"track_description":"test description for track 101"
	}

Response	http://127.0.0.1:5300/descriptions/Incomplete%20101/Prerna%20Shastri

Title	Descriptions microservice: Retrieve a user's description of a track
URL	http://127.0.0.1:5300/descriptions
Method	GET
Request	http://127.0.0.1:5300/descriptions/Incomplete 101/Prerna Shastri

Response	[
	  [
	    "Incomplete 101",
	    "Prerna Shastri",
	    "test description for track 101"
	  ]
	]

Title	XSPF microservice: To get playlists xspf xml by id
URL	http://127.0.0.1:5400//playlist/<playlist_id>
Method	GET
Request	http://127.0.0.1:5400//playlist/27
Response	``` <playlist xmlns="http://xspf.org/ns/0/" version="1"> <title>My first Playlist</title> <creator>SwatiBade</creator> <trackList> <track> <title>fight</title> <creator>Backstreet Boys Band</creator> <album>flight 2</album> ```

```
    <trackNum>79387370-9480-45e4-bbf0-0d538acf190a</trackNum>
    <duration>1024</duration>

<location>http://localhost:9000/tracks/Backstreet_Boys_Incomplete_1.mp
3</location>
    </track>
  </trackList>
</playlist>
```

Tracks microservice:

Title	Create a new track
URL	http://127.0.0.1:5100/tracks
Method	POST
Request	```{
"track_title": "Incompletee",
"album_title": "Evena",
"track_artist": "Southern Soul",
"track_length": "100",
"media_url": "http://localhost:9000/tracks/wavin Flag.mp3",
"album_url": "dssf"
}```
Response	http://127.0.0.1:5001/tracksbyid/0de26301-3298-475d-8bc5-faf85edc5ad0

Title	Retrieve all tracks
URL	http://127.0.0.1:5100/tracks
Method	GET
Request	http://127.0.0.1:5100/tracks
Response	```{
"track_title": "Incompletee",
"album_title": "Evena",```

```
    "track_artist": "Southern Soul",
    "track_length": "100",
    "media_url": "http://localhost:9000/tracks/wavin Flag.mp3",
    "album_url": "dssf"
  }
```

Title	Edit a track
URL	http://127.0.0.1:5100/tracks
Method	PUT

Request	{
	"track_title":"In",
	"new_track_title":"Evena",
	"new_album_title":"Southern Soul" ,
	"new_track_artist":"Helen Kem",
	"track_length":"1000" ,
	"media_url":"test/test/testTrackTitle.mp3" ,
	"album_url":""
	}

Response	Record Updated

Title	Delete a track
URL	http://127.0.0.1:5100/tracks/In
Method	DELETE

Request	{
	"track_title":"In",
	"new_track_title":"Evena",
	"new_album_title":"Southern Soul" ,
	"new_track_artist":"Helen Kem",
	"track_length":"1000" ,
	"media_url":"test/test/testTrackTitle.mp3" ,
	"album_url":""
	}

Response	Track deleted successfully

Playlists microservice:

Title	Create a new playlist
URL	http://127.0.0.1:5200/playlists
Method	POST

Request	{
	    "playlist_title":"Spanish songs",
	    "user_name":"Prerna Shastri",
	    "description":"description for track 80",
	    "track_id":"43aab117-1e12-405e-a702-fcd2d8610a9b"
	}

Response	Location http://127.0.0.1:5200/playlistsbyuser/Prerna%20Shastri

Title	Retrieve a playlist
URL	http://127.0.0.1:5200//playlists/<playlist_id>
Method	GET
Request	http://127.0.0.1:5200/playlists/26

Response	[
	  [
	    "Justin Bieber",
	    "American songs",
	    "2019-10-16 22:26:22"
	  ]
	]

Title	Delete a playlist
URL	http://127.0.0.1:5200/playlists/<playlist_title>
Method	DELETE
Request	http://127.0.0.1:5200/playlists/Spanish songs
Response	Playlist deleted successfully

Title	List all playlists
URL	http://127.0.0.1:5200/playlists
Method	GET
Request	http://127.0.0.1:5200/playlists

Response	```
	[
	  [
	    25,
	    "Spanish songs",
	    "Madhura Jog",
	    "2019-10-16 22:15:58"
	  ],
	  [
	    26,
	    "American songs",
	    "Justin Bieber",
	    "2019-10-16 22:26:22"
	  ]
	]
	``

Title	List playlists created by a particular user
URL	http://127.0.0.1:5200/playlistsbyuser/<user_name>
Method	GET
Request	http://127.0.0.1:5200/playlistsbyuser/Prerna Shastri

Response	```
	[
	  [
	    27,
	    "Spanish songs",
	    "description for track 80",
	    "2019-10-16 23:07:33"
	  ]
	]
	``