Music System Version 2

Title	XSPF microservice: To get playlists xspf xml by title
URL	http://127.0.0.1:5400//playlist/<playlist_title>
Method	GET
Request	http://localhost:5400/playlist/Ketty Pery

```
<playlist xmlns="http://xspf.org/ns/0/" version="1">
    <title>Ketty Pery</title>
    <creator>Twilight</creator>
    <trackList>
        <track>
            <title>InTheEnd</title>
            <creator>unknown artist</creator>
            <album>LinkinPark</album>
            <trackNum>5</trackNum>
            <duration>1780</duration>
<location>http://localhost:9000/media/intheend.mp3</location>
</track>
        <track>
            <title>Incomplete</title>
            <creator>Backstreet Boys</creator>
            <album>Incomplete</album>
            <trackNum>None</trackNum>
            <duration>1720</duration>
<location>http://localhost:9000/media/Incomplete.mp3</location>
        </track>
        <track>
            <title>ThousandYears</title>
            <creator>Ketty Pery</creator>
            <album>Twilight</album>
            <trackNum>4</trackNum>
            <duration>1700</duration>

<location>http://localhost:9000/media/thousandyears.mp3</location>
        </track>
        <track>
            <title>Familiar</title>
            <creator>Liam Payne</creator>
            <album>Familiar</album>
            <trackNum>6</trackNum>
            <duration>1780</duration>

<location>http://localhost:9000/media/familiar.mp3</location>
                </track>
        </trackList>
</playlist>
```

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

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"
	  ]
	]

Tracks microservice:

Title	Create a new track
URL	http://127.0.0.1:5100/tracks
Method	POST

Request	{
	"track_title":"freebird",
	"album_title":"Southern by the Grace of God" ,
	"track_artist":"Lynyrd Skynyrd",
	"track_length":"1000" ,
	"media_url":"test/test/testTrackTitle.mp3" ,
	"album_url":""
	}

Response	Location: http://127.0.0.1:5100/tracks/freebird

Title	Retrieve a single track
URL	http://127.0.0.1:5100/tracks/<title>
Method	GET
Request	http://127.0.0.1:5100/tracks/freebird

Response	[
	   {
	     "album_title": "Southern by the Grace of God",
	     "album_url": "",
	     "created_date": "2019-10-16 21:27:33",
	     "media_url": "test/test/testTrackTitle.mp3",
	     "track_artist": "Lynyrd Skynyrd",
	     "track_length": 1000,
	     "track_title": "freebird"
	   }
	]

Title	Retrieve all tracks
URL	http://127.0.0.1:5100/tracks
Method	GET
Request	http://127.0.0.1:5100/tracks

Response	[
	   {
	     "album_title": "album change name",
	     "album_url": "",
	     "created_date": "2019-10-09 22:53:41",
	     "media_url": "//home/change/media/url/asd.mp3",
	     "track_artist": "artist 001",

```
      "track_length": 800,
      "track_title": "trackChange 005"
    },
    {
      "album_title": "newtestalbum",
      "album_url": "/test/album",
      "created_date": "2019-10-12 23:46:36",
      "media_url": "/test/new/media",
      "track_artist": "testartist",
      "track_length": 800,
      "track_title": "newtracktitale"
    },
    {
      "album_title": "Incomplete",
      "album_url": "",
      "created_date": "2019-10-14 23:20:25",
      "media_url": "home/songs/BackStreetBoys/incomplete.mp3",
      "track_artist": "Backstreet Boys",
      "track_length": 800,
      "track_title": "Incomplete"
    },
    {
      "album_title": "Incomplete 50",
      "album_url": "",
      "created_date": "2019-10-14 23:24:20",
      "media_url": "home/songs/BackStreetBoys/incomplete50.mp3",
      "track_artist": "BackstreetGirls",
      "track_length": 800,
      "track_title": "Incomplete 50"
    },
    {
      "album_title": "Incomplete 30",
      "album_url": "",
      "created_date": "2019-10-14 23:28:11",
      "media_url": "home/songs/BackStreetBoys/incomplete50333.mp3",
      "track_artist": "BackstreetGirls3333",
      "track_length": 800,
      "track_title": "Incomplete 30"
    },
    {
      "album_title": "Incomplete 45",
      "album_url": "",
      "created_date": "2019-10-14 23:57:20",
```

```
      "media_url": "home/songs/BackStreetBoys/incomplete455533.mp3",
      "track_artist": "BackstreetGirls45453",
      "track_length": 800,
      "track_title": "Incomplete 45"
    },
    {
      "album_title": "Incomplete 100",
      "album_url": "",
      "created_date": "2019-10-16 02:46:39",
      "media_url": "home/songs/BackStreetBoys/incomplete455533100.mp3",
      "track_artist": "BackstreetGirls45100",
      "track_length": 800,
      "track_title": "Incomplete 100"
    },
    {
      "album_title": "Incomplete 101",
      "album_url": "",
      "created_date": "2019-10-16 02:49:42",
      "media_url": "home/songs/BackStreetBoys/incomplete4555331001.mp3",
      "track_artist": "BackstreetGirls45101",
      "track_length": 800,
      "track_title": "Incomplete 101"
    },
    {
      "album_title": "Southern by the Grace of God",
      "album_url": "",
      "created_date": "2019-10-16 21:27:33",
      "media_url": "test/test/testTrackTitle.mp3",
      "track_artist": "Lynyrd Skynyrd",
      "track_length": 1000,
      "track_title": "freebird"
    }
]
```

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_title":"Despacito"
	}

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"
	  ]
	]