Music System Project 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

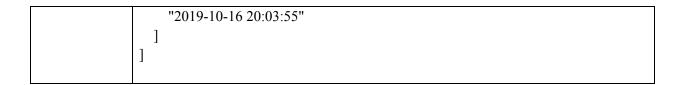
Title	Retrieve a single user's profile, which includes all information except the hashed
	password
URL	http://127.0.0.1:5000/users/ <user_name></user_name>
Method	GET
Request	http://127.0.0.1:5000/users/Prerna Shastri
Response	["Prerna Shastri", "Prerna", "prernaplay@test.com", "/prerna/homeurl/", "2019-10-16 20:03:55"]

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

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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/",



Title	Delete a user
URL	http://127.0.0.1:5000/users/ <user_name></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
3.6.1.1	OFF.
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

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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></td></tr><tr><td>Method</td><td>GET</td></tr><tr><td>Request</td><td>http://127.0.0.1:5100/tracks/freebird</td></tr><tr><td>Response</td><td><pre>[</td></tr></tbody></table></title>

Title	Retrieve all tracks
URL	http://127.0.0.1:5100/tracks
Method	GET
Request	http://127.0.0.1:5100/tracks
Response	[
	"created_date": "2019-10-09 22:53:41", "media_url": "//home/change/media/url/asd.mp3", "track_artist": "artist 001",

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```
"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",
```

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```
"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/test/testTrackTitle.mp3", "album_url":"" }
Response	Track deleted successfully

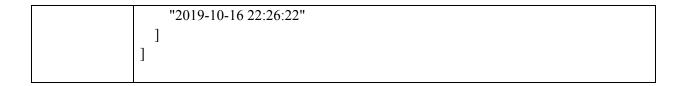
Playlists microservice:

Title	Create a new playlist
URL	http://127.0.0.1:5200/playlists
Method	POST
Request	<pre>"playlist_title":"Spanish songs", "user_name":"Prerna Shastri", "description":"description for track 80", "track_title":"Despacito" }</pre>
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></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></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	[



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