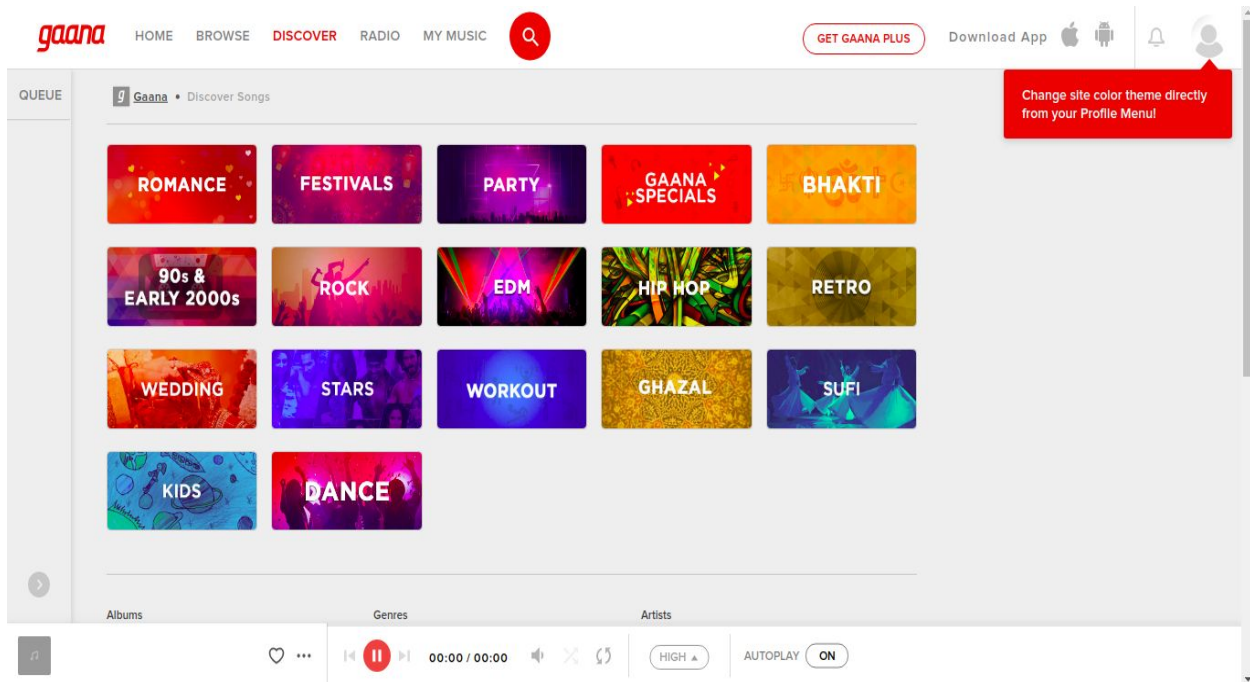


Gaana Clone

(SCE - 2018 Project)

Overview:

Build a web-based music streaming app that allows a user to create an account, upload songs, stream songs, create playlists and much more.



Technologies Allowed:

- HTML, CSS (Bootstrap/Any framework)
- JavaScript/jQuery for the Front-End (Client Side)
- Flask (Python) for the Server Side
- Database: SQLite/MongoDB/MySQL

Expected Features:

- User **Registration/login**: Should perform basic validations like user have entered a valid email id and valid passwords (with proper error messages)
- The user must be able to **stream songs**
- **Store** music on the server: Users who have an account can upload the songs on the web app server with the specific information as follows:
 - Genre
 - Artist
 - Other information if you need to be included
- **Discover**: This mode allows the user to stream songs from a particular artist, genre.
 - **Artist**: 'Arijit Singh'
 - Display all songs sung by Arijit
 - **Genre**: 'Sufi'
 - Display all songs with the genre as 'Sufi'
- **Radio**: This feature allows the user to select a mode that can have songs from multiple genres and should play song randomly and continuously by selecting that mode. Ex:
 - **Workout mode**: contain songs having genres like 'Rock' & 'Pop'
 - **Devotional mode**: contain songs having genres like 'Bhakti', 'Qawwali' & 'Sufi'
- **Browse**: The user should be able to stream songs that are already present on the server *[You can upload some songs that are visible to all the users]*
- **Add to favorite**: The user can add a song to their favorites list
- **Profile**: where the user can see followers/following and update personal info.
 - **Favorites**: List favorite songs as specified by the user
 - **Followers & Following**: Display your followers and the users you are following
 - **Create Playlist**: The user can create **multiple playlists**

Design Goals:

- User-friendly interface
- Database schemas should be made logically
- Proper validations to be done
- Flexible system design: You can use any design approach for your app meeting the above-expected features

Note: Bonus marks will be awarded to include the following functionalities:

- **View playlists** of the user you are following
- **Trending songs**: display top 10 songs that are played most by all the users
- **Creative** functionalities that enhance the user's music experience

[See [Gaana.com](https://gaana.com) for reference]

Happy Scripting while listening to music !!!