

Features for admin:

- Can see all the necessary information of the platform
- Can see the growth of the platform
i.e. monthly user, participation and earnings
- Has the ability to add new songs and artist.
- Can add new awards and add new awards reviewed by the artist
- Is able to add trending news to the site for the users.
- Can update any song information or even remove the song from the platform.

Features as User:

- Can search new songs(advanced search) on the basis of multiple fields like
song name, artist name, genre name, and sort by price or popularity.
- can see everything about the song. example of advanced sql by joining multiple tables
- can see everything about an artist. also an example of advanced sql
- user can like songs and artist
and based on that, they will see personalised news(advanced sql)
- user can create playlist and add song to that playlist.
- **Friend and Chat feature:**
 1. Friend suggestion is shown based on the liked song and liked artist
here pending and existing friends are not shown. (advanced sql)
 2. Can accept, reject or unsend friend requests.
 3. Can chat with friends. The chat is encrypted chat. Can also delete whole conversation.
- Can search for genre and also get the songs belonging to that genre.
- Can search for albums and get all the information about that album.
- Can purchase and play songs.

Platform features:

- supports the ability to like, play and purchase songs.
- has encrypted chat feature.
- extensive security practises.
- flexible backend codebase.
- intuitive ui/ux

Database Feature

- Is properly normalized.
- Maintains proper primary key and foreign key references.
- Some table has composite primary key.
- In table that are related, has delete on cascade defined.
- Has proper functions, procedure and triggers defined
- **Functions:**
 1. Sets the default popularity of newly added songs to zero(nil) (activated by trigger)
 2. Prevents username reuse (activated by trigger)
 3. Prevents passwords reuse (activated by trigger)
 4. Fetches the hashed value of password(using md5())
 5. Calculated user growth.
 6. Calculates user activity growth
 7. Calculates purchase growth.
 8. Updates the popularity of song after action on review.
- **Procedure:**
 1. Performs action of adding song.
 2. Performs action of adding artist.

3. Performs the action of updating user profile.

- **Triggers:**

Mainly called for function execution.