Project Phase- 3

Introduction to Software Systems

Concerned TAs

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Instructions

- Maximum Marks: 100
- For queries, reach out only to the concerned TAs via Moodle under the announcement thread of this project phase.
- Submissions should be made only on the GitHub repository.
- You are allowed to make reasonable assumptions wherever you feel necessary, but you are required to document your assumptions in a file named ASSUMPTIONS.md in your repository.
- Since this is a team project, your repository's commit history will be checked during evaluation to make sure both members contributed equally to the work. So make sure both members commit to the repository from their own accounts.

Overview

In the previous phase, you added new features to your project using JavaScript, including a search function, filtering options, and an artist spotlight page. In this phase, you will incorporate `Flask` and `SQL` to add a playlist feature, allowing users to create personalized playlists.

Requirements

1. Songs Page (40 marks)

a. Modify the Songs page that you have implemented in phase 1 by adding a `add to playlist` button beside each song.

b. When the user clicks on the *add to playlist* button, the song should be added to the playlist database. An unique `id` for each song has to be stored in the database for its unique identification.

c. You should handle redundancy. You should not add the same song to the database again if it already exists.

2. Playlist Page (55 marks)
   a. All the songs that have been added to the playlist should be displayed on this page.

   b. Create a `remove` button beside each song in the playlist page on clicking which the song should get removed from the playlist page.

3. Navbar (5 marks)
   a. Incorporate the links to the new Playlist page into the navbar that you have created in phase.

Note

- The modifications made to the playlist page must be persistent, i.e., even after reloading the page, the changes should be retained.