SWE Project 2 Bonus

Team 14

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Even better library management

Introduction

The Library management that we have right now allows users to have playlists that are either public (other users can see the playlist and listen to it) or private (only the owner can listen to the playlist, or update it). In this part, we add an additional kind of playlists: collaborative playlists which are public playlists, with an added feature that any user can add songs to it.

Preliminaries

- The `T_PLAYLIST` table in the schema (`dbupdate-000-0.sql`) has a field `VISIBILITY` which captures the visibility type of the playlist (public, private)
- The class `PlaylistResource` has a method to insert tracks into a playlist and deals with the REST backend routes.

Backend Methodology

1. Since we are creating a new type of playlist, an additional value `COLLAB` was added to the enum created in feature 2: `PlaylistVisibilityEnum.`
2. The method `insertTracks()` in the class `PlaylistResource` was modified to check if a playlist is owned by the user currently logged in (which was already done by the existing method) or whether the playlist is a collaborative playlist (modification added for the feature)

Frontend Methodology

The frontend was implemented through 3 main files: html, controller and resource.

An additional radio button was added to the suite of buttons added under feature 2 (public and private) to account for the new type of visibility: collaborative.