

# COMPSCI 235: Assignment 2

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## Cool feature

The 'cool feature' for the assignment was a playlist functionality, as well as liking tracks. Main features include:

- The ability for a user to create multiple playlists - users can also add and remove tracks to a specific playlist.
- Owners can remove playlists from the server.
- Visibility of a playlist can be changed, i.e. private or public.
- Public playlist forums.
- Collaboration on a playlist.

## Design decisions

### Playlist and User Profile

A key functionality of the project is the playlist functionality which possesses many features. Upon a user being authenticated (registered and logged in), they are able to create their own playlists and add specific tracks to them. The ability to change the playlist from public to private is also available.

This functionality of creating a playlist is available in the 'Profile' of the authenticated user, in which they can also see their own liked tracks, reviews on a particular track and their own public or private playlists. Users can name their playlists, and the number of tracks in the playlist are also shown.

In the website, a public playlist forum is also seen where users can see and browse public playlists created by other users.

- Since users can also delete playlists, if a user deletes their playlist (which is public) that they have created, it is also deleted on the server - so all users who have added it no longer have access to the playlist.
- Owners can **only** remove playlists from the server for security reasons.

Users can also collaborate on playlists. From playlists available on the public playlist forum, when a user adds a playlist created by another user they can collaborate on this playlist by adding tracks of their own (as well as removing tracks).

- When a user adds a playlist from the forum, it will be seen in their own personal playlist page.