

# Design report

For our cool feature, we implemented the playlist functionality to create a more interactive experience for our users. This feature would emphasise the community aspect of our website as users can create personalised websites and share them with friends, which motivates repeated visits to the website. Moreover, since our music database is quite large, it also creates another way for users to discover tracks. The playlist feature is reserved for registered users only since playlists are public, and we have decided that this will add a layer of protection for our data.

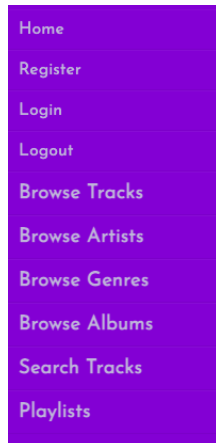


Figure 1

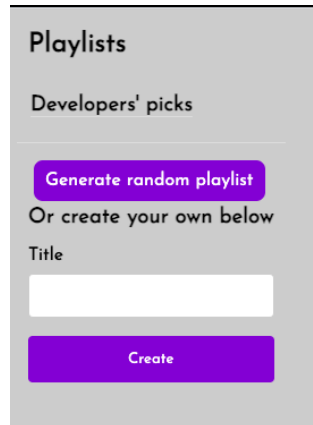


Figure 2

The navigation bar (Fig. 1) includes a link to guide users to the playlists page. This link redirects them to the playlists page (Fig. 2). This page shows a list of all existing playlists. The web app comes with a pre-loaded playlist called *Developer's Picks*, which acts as an entryway for new users. This page also allows the user to **create their own playlist** or **generate a random playlist**.



Figure 3

The 'Generate random playlist' feature considers the large database of tracks available. To make the experience less overwhelming for the user, this feature randomly generates a random playlist that is 15 tracks long (Fig 3). This also provides a fun way to discover something out of the user's comfort zone.

Moreover, the user can also create their own playlist using the form shown in Fig 2. The user needs to provide a title. Otherwise, an error message (Fig 4) is shown. On submission, the user is redirected to the playlist's page (Fig 5). Since the playlist is empty, a placeholder is shown.



Figure 4

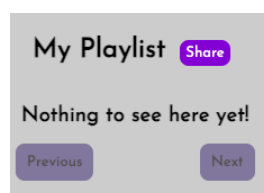


Figure 5

To add tracks to playlists, the user can press the 'Add' button that is shown for each track throughout the web app (Fig 3). Once the button is pressed, the user is redirected to the form (Fig 6). The user is required to select from existing playlists, and if they press 'Add' before selecting, a prompt is shown (Fig 7). Since our database is not persistent, we have

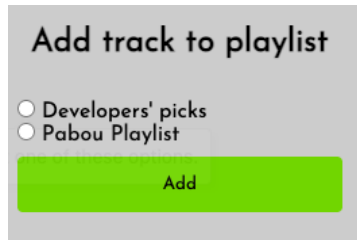


Figure 6

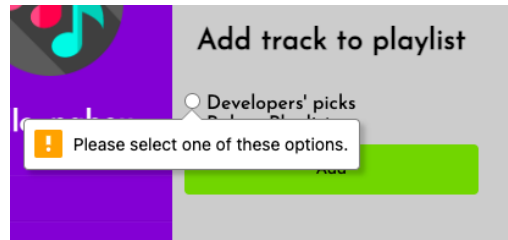


Figure 7

not barred the user from adding to 'Developers' picks' but might consider doing this in the future. Once the form is submitted, the user is redirected to the playlist's page,

which reflects the added track. This way, the user gets immediate feedback that their action was successful.

The user can also share playlists with friends by pressing the 'Share' button next to the playlist's title (Fig 5). This button copies the url of the playlist's page to the user's clipboard so they can easily send it to their friends. When they click the button, an alert also pops up to let the user know the action was successful (Fig 8).

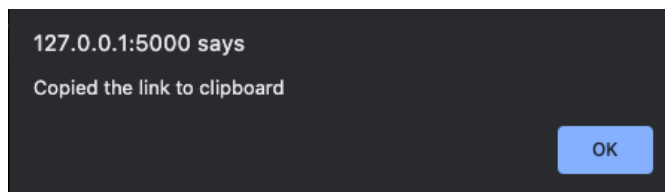


Figure 8

The style of the playlist feature follows the theme of the rest of the web app to create a feeling of continuity: the font is consistent throughout; the buttons are purple and turn green on hover. We have used prompts, error messages and alerts to guide the user through the web app. The list of tracks for each playlist follows the same format as the browse tracks page for consistency and ease of access, so the user can still review and add tracks from any page.