Harmonize by Programming in Harmony

DESCRIPTION

This app connects with multiple music streaming platforms to generate playlists for you using recommendation algorithms. What makes this app unique is that you have control over the parameters of the track search - once you select a source(e.g. a genre or playlist to base recommendations off of), you can decide on factors such as artist similarity, energy, genre similarity, loudness, and so on. Each parameter offered has a description box next to it that gives more information on it. You can also choose to create a playlist based on a certain song where songs with similar characteristics will be found for the playlist.

BASIC USAGE

Once you start the app, press ‘Login’ to go to the Login screen. Press ‘Login’ again to enter the app - no need to enter credentials or create an account. The create account page does not currently create an account and will take you to the same place as the Login screen when you press create account. On the ‘Home’ screen, scroll through example playlists, then select one to view its details. Once on the ‘View Playlist’ page, scroll through the track list, tap a track to “play” it, and press the info icon to view its characteristics and a description of how well it meets the parameter values you specified. From this page you can also generate a playlist based on the song you selected, where the characteristics will be carried over to find similar songs or can be tweaked slightly. Back on the ‘View Playlist’ page, use the hamburger menu to view playlist options such as to export. Click this to arrive at the ‘Export’ page, on which you can choose which platform to send the playlist to. The ‘Home’ screen allows for new playlist creation using the hamburger menu and selecting “Create Playlist.” On the ‘Create’ page, you select a platform(which will let you select a source from that platform in the future), then you are sent to the ‘Tune Parameters’ page. Adjust the slider for each, then press ‘Generate’ at the bottom to “run the algorithm” and view the results.

KNOWN BUGS

DESIRED FEEDBACK

* Is it easy to navigate across pages? Within pages?
* How can we increase the visual appeal?
* Even without witnessing a fully working backend, is there any functionality you’d like to see? Any additional services you would like us to provide?

ALPHA FEEDBACK

* Dislike of long taps on view playlist for song characteristics and title change
  + Replaced long taps with icons
* Export screen style inconsistent with rest of layouts
  + Fixed the style of the export scree layout to be more consistent
* Would be cool to be able to create playlist from a song
  + Added a button to do this from the song characteristics screen
* Some landscape layouts looked a bit weird
  + Made separate landscape layouts for these screens
* Maybe put visual line breaks between each song
  + Added lines between songs
* Add a hamburger menu
  + Added a hamburger menu