Product: Rootify
Team: Rootify
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Known/possible problems:
- The 'Popularity' filter option for the 'Generate' tab does not work.
  - Solution: Remove the option: market "US" when retrieving potential tracks.
    - Grab 50 tracks, go through each one and check if track is in U.S.
      - If so, add it to the generated playlist.
      - Break out of the loop once max. tracks is reached or if this is the first pass, then grab another 50 tracks and repeat above.
- Clicking on the 'GENERATE PLAYLIST' button more than once in the dialog box for generating a playlist will cause more than one playlist to be created.
  - Solution: Add a variable to prevent creating a playlist when one is being created.
- Spamming the "SHORT-TERM," "LONG-TERM," and "RESET TREE" buttons at the top *may* cause the tree to glitch out and break (it won't show any of your top tracks and artists)
  - Solution: Adding more prevention constructs in the code to stop the tree from switching modes or resetting when a transition is in progress.
- The width of the bar graph box in 'Details' sometimes doesn't fully update properly
  - Solution: Locate the code which manages the width of the bar graph container and ensure that this method is being called when nodes are clicked.
- Making the width and height of the webpage small enough will cause text in certain places of the webpage to collide with other HTML/DOM elements.
- The position and/or text of the "Generate Playlist" button in the 'Generate' tab *may* not be perfect (i.e. could be positioned incorrectly and/or the text may not be fully centered).
  - Solution: Research similar problems and try to apply known CSS patterns to prevent this.
- If the client has a slow Internet connection…
    - Fetching and displaying their Spotify top tracks and artists (in the form of nodes in the tree) may be delayed.
      - Album art or artist images may not load properly
    - A track's Spotify widget player may take a while to load in the 'Details' tab
    - An artist's top tracks may take a while to load.
    - Generating a recommended playlist may take a while to create.
    - Searching for a track may take a while to load results.
    - Searching for an artist may take a while to load results.
  - Solution: Ensure a decent Internet connection is established when using Rootify.
- Album art or artist images may not load (in testing, this has only happened once)
- For the results in searching for tracks and artists, track album art and artist images are not vertically centered.

- ○ Solution: Research solutions to vertically centering and apply the relevant HTML/CSS code.
- The Spotify widget player is known to be buggy and imperfect (i.e. it may not show immediately, playing tracks may be slow or not occur). It works relatively well but sometimes it doesn't work as expected. It's highly recommended to have Spotify installed and opened on the working machine before clicking the play button on a Spotify player.
  - ○ Solution: Wait for Spotify to improve the player or make our own.
- If the user has an ad blocker installed on their browser, there will be errors displayed in console. Rootify's functionality *may* affected by this.
  - ○ Solution: Disable ad blocker when using Rootify to hide these error messages in console.
- When the visualization page is loaded, there are (at least in Chrome) several warning messages in regards to fonts.
  - ○ Solution: Take a closer look at warning messages, then research and correct them.
- May not work for browser beyond the latest versions of Google Chrome and Firefox.
  - ○ Solution: Add support for other browsers (both new and older versions)
- May not work on mobile browsers.
  - ○ Solution: Specifically develop the application for mobile browsers
- If the Spotify Web API servers are down, functionalities involving logging into Rootify and querying the Spotify database (through the Spotify Web API) will not work.
- The tree will not appear on Safari version 9.0.1. Possibly Safari 10 does not work either.
  - ○ However, it does work on the recent updated Safari, which is currently version +11