

Milestone 7 - Project Report: Playlist Migration Tool

Team Information

Team Number: 024_2

Team Name: PlaySyncers

Team Members:

- Gaukas Wang
 - Logan O'Brien
 - Kaitlin McConnell
 - Erica Lowrey
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Project Description:

PlaySync is a site that allows a user to seamlessly transfer their playlists from one platform to another. A user is able to sign up with PlaySync and modify the details of their account, either by adding an email to opt-in to our mailing list, changing their account's password, or deleting their account. Once a user has set up an account they can authorize their Spotify and/or YouTubeMusic accounts by logging in with either and, in the case of YouTubeMusic, manually connect their YouTubeMusic account to PlaySync. The user can then choose from any of their playlists to transfer, and they have full control over which songs to transfer to their destination account. PlaySync will generate a list of alternative songs for each track on the chosen playlist to ensure the correct version of a song is transferred.

In the future, PlaySync will also offer the ability for a user to sync their playlists across platforms, so that their music stays up to date without having to create a new playlist each time a playlist is changed. Additionally, PlaySync will offer cross-user transfers and synchronization, enabling one user to share their private playlists with friends or family who are using a separate account.

Project Tracker: JIRA:

<https://csci-3308-spring21-024-2.atlassian.net/jira/software/projects/PLS/boards/1/roadmap>

Epic	APR
<ul style="list-style-type: none"> > PLS-4 Registration-Page <ul style="list-style-type: none"> PLS-26 User Management System <ul style="list-style-type: none"> PLS-2 As a user, I wa... DONE GW PLS-15 I want t... WON'T DO ... RM PLS-6 As an av... WON'T DO ... GW PLS-34 HTML for Login P... DONE PLS-38 HTML for landing ... DONE PLS-28 Authorized Platform Manager <ul style="list-style-type: none"> PLS-17 I want to be a... DONE GW PLS-8 I want to be ... WON'T DO ... PLS-9 I want to be ab... DONE RM PLS-10 I want to be a... DONE GW PLS-18 As a us... WON'T DO ... EL PLS-19 As a us... WON'T DO ... EL PLS-29 Playlist Scanner <ul style="list-style-type: none"> PLS-25 As a user I wa... DONE EL PLS-11 As a user I wa... DONE LO PLS-23 As a user I wa... DONE EL PLS-27 Playlist Constructor <ul style="list-style-type: none"> PLS-13 As a user I wa... DONE RM PLS-14 I want t... WON'T DO ... RM PLS-12 As a user I wa... DONE LO PLS-30 Playlist Monitor/Synchronizer 	

VCS: Github

- Github Repository: https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2.git

Contributions:



***Commit spiking in the last few days due to intensive testing & new tagging to deploy**

****@Gaukas:** Kaitlin @kamc3446's commit does not reflect her contribution due to she is mostly working on branches that didn't end up being merged into main directly. Most of her works has been included in Logan's commits -- @Gaukas

- **Gaukas Wang**
 - Worked with Flask, PostgreSQL, Linux Production/Test Server Maintenance, GitHub Repo management.
 - YouTube Music API Taskers (Python), Backend Server (Flask, Python), CI/CD Integration (Github Action, Shell), Database interface module (Python)
- **Logan O'Brien**
 - Worked with Spotify API "Spotipy" and integration. Also worked on front end design including landing page and profile page along with its functionality (Changing email/password/authorizing account/etc)

- Kaitlin McConnell
 - Worked with Spotify API, mainly user authentication, as well as various search functions (search song, artist, etc.). Worked on front-end HTML design.
- Erica Lowrey
 - Worked on the front-end and designed several of the pages including the login page, signup page, and transfer page. Worked on account validation for the signup page and integrating the YouTubeMusic API and Spotify API taskers with the front-end.

Deployment:

Deployment GitHub Action:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/blob/main/.github/workflows/auto_deploy.yml

Manual Setup Guide:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/blob/main/code/README.md

Already deployed to: <https://playsync.me/>