Milestone 5 - User Acceptance Testing Plan

Team Information

Team Number: 024_2
Team Name: PlaySyncers
Team Members:

- Gaukas Wang
- Logan O’Brien
- Kaitlin McConnell
- Erica Lowrey

Features to test

- User Management System
  - User Sign-up/Registration
  - User Log-in
  - User Cookie verification

- Authorized platform manager
  - User voluntary 3rd party platform connection, including YouTube Music, Spotify, etc
  - Authorization Interface for backend taskers

- Playlist Scanner
  - Playlist Scanning
  - Song in playlist scanning

Test plans

- Test #1: User Management System
  - Setup
    - Start the server (Flask) currently hosted on DigitalOcean
  - Test steps
    - Test Case #1.1: Access https://playsync.me/signup through the browser, fill in `Username`, `Email`, `Password`, `Confirm Password` correspondingly. Hit the `Sign Up` button.
      - Clear the cookies after this step.
    - Test Case #1.2: Access https://playsync.me/signup through the browser, fill in `Username`, `Email`, `Password`, `Confirm Password` with malformed Email, Password or Confirm password. Hit the `Sign Up` button.
      - Clear the cookies after this step.

- Test Case #1.3: Access https://playsync.me/login through browser, fill in `Username` and `Password` used in #1.1. Hit the `Log In` button.
  - Clear the cookies after this step.
- Test Case #1.4: Access https://playsync.me/login through browser, fill in `Username` and `Password` used in #1.2. Hit the `Log In` button.
- Test Case #1.5: Inspect the `t_user` table in the database on the server.

- Success Criteria
  - #1.1: Successfully signed up. Automatically logged in after signing up.
  - #1.2: Failed to sign-up. Form won't be submitted.
  - #1.3: Successfully logged in.
  - #1.4: Won't be able to log in.
  - #1.5: User registered in #1.1 is present in the database. User registered in #1.2 is absent in the database.
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- Test #2: Authorized platform manager
  - Setup
    - Start the server (Flask) currently hosted on DigitalOcean
  - Test Steps
    - Test Case #2.1: Access http://playsync.me/<profile_page> through the browser, and select 'Youtube' tab and fill in corresponding authorization data.
    - Test Case #2.2: Access http://playsync.me/<profile_page> through the browser, and select 'Spotify' tab and fill in corresponding authorization data.
  - Success Criteria
    - #2.1: Confirm that API data is saved within the profile page under the 'Youtube' tab.
    - #2.2: Confirm that API data is saved within the profile page under the 'Spotify' tab.
    - #2.1.1: Confirm that API data can be modified/updated within the profile page under the 'Youtube' tab.
    - #2.2.1: Confirm that API data can be modified/updated within the profile page under the 'Spotify' tab.
- Test #3: Playlist Scanner
  - Setup
    - Start the server (Flask) currently hosted on DigitalOcean

- Test Steps
    - Test Case #3.1: Access http://playsync.me/<scanner_page> through the browser.
    - Test Case #3.2: Select 'Youtube' as the source platform.
    - Test Case #3.3: Select <any_playlist_name> from list of generated playlists.
    - Test Case #3.4: Select 'Spotify' as the source platform.
    - Test Case #3.5: Select <any_playlist_name> from list of generated playlists.
- Success Criteria
    - #3.1: Default page.
    - #3.2: Lists all of the users playlists from Youtube on the page.
    - #3.3: Expanded list shows songs contained within selected playlist.
    - #3.4: Lists all of the users playlists from Spotify on the page.
    - #3.5: Expanded list shows songs contained within the selected playlist.

Individual Contributions

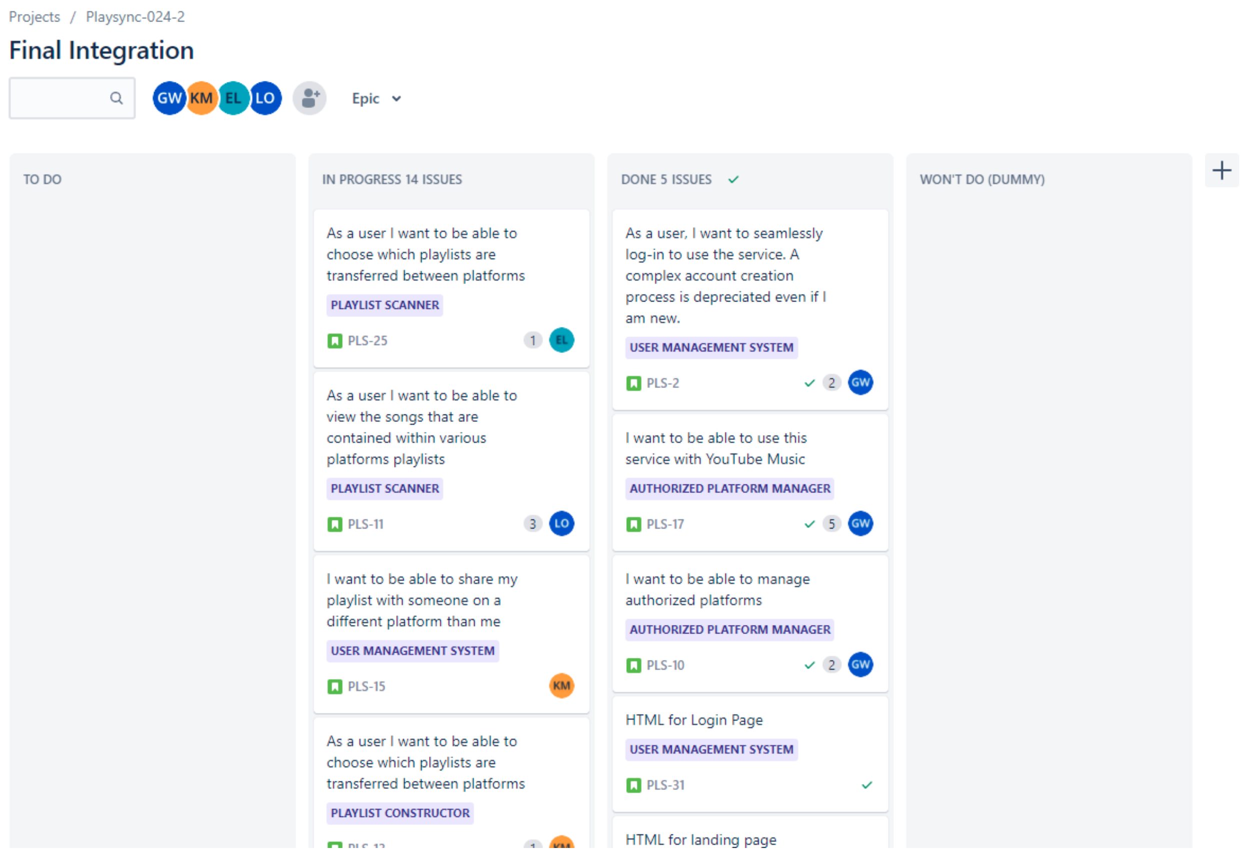
Latest **non-trivial**[1] commit from everyone:

- Gaukas:
    - In progress: Integrating backend interfaces
    - Completed: Youtube API, User Management Backend Interface, Database Design, API Authorization Interface
    - Latest commit: Playlist Synchronizing Funcs https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/pull/10/commits/2470ca8429c43e4c0de45d73fa3b737d44ad1d86
- Logan:
    - In progress: Complete the profile page including integration with the backend for authorized platform management (AJAX) as well as account deletion and email preference updates, integrate spotify back end taskers, any other misc front-end work that needs to be completed.
    - Completed: Spotify API full functionality locally.
    - https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/commit/3031eb937ce4fdd36b855f7447172b0a686d13a3
- Kaitlin:
    - In-Progress: Spotify API (specifically automated user authentication, user playlist scanner, and backend integration)
    - Completed: Spotify API one-time user authentication, frontend HTML
    - Latest Commit: API files upload https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/commit/93e7b660a3d3550fc46c1df6eeddf8c5db8ceee8

[1] Excluding: typo fixes, merging other's PR, meeting notes

- Erica:
    - In-Progress: Working on integrating YouTubeMusic and Spotify APIs to the front-end transfer page. Reworking the transfer page HTML to properly display the results of searching for a new song, creating a new playlist, and adding songs to it.
    - Completed: Several YouTube API functions integrated to the front-end.
    - Latest Commit:
    - https://github.com/CSCI-3308-CU-Boulder/3308SP21_024_2/commit/3e3a4ad7d4244440c5c740473f5eaa7f7fc4410e

Current Project Management Board



Projects / Playsync-024-2

Final Integration

TO DO

IN PROGRESS 14 ISSUES

As a user I want to be able to choose which playlists are transferred between platforms
PLAYLIST SCANNER
PLS-25 1 EL

As a user I want to be able to view the songs that are contained within various platforms playlists
PLAYLIST SCANNER
PLS-11 3 LO

I want to be able to share my playlist with someone on a different platform than me
USER MANAGEMENT SYSTEM
PLS-15 KM

As a user I want to be able to choose which playlists are transferred between platforms
PLAYLIST CONSTRUCTOR

DONE 5 ISSUES ✓

As a user, I want to seamlessly log-in to use the service. A complex account creation process is depreciated even if I am new.
USER MANAGEMENT SYSTEM
PLS-2 ✓ 2 GW

I want to be able to use this service with YouTube Music
AUTHORIZED PLATFORM MANAGER
PLS-17 ✓ 5 GW

I want to be able to manage authorized platforms
AUTHORIZED PLATFORM MANAGER
PLS-10 ✓ 2 GW

HTML for Login Page
USER MANAGEMENT SYSTEM
PLS-31 ✓

HTML for landing page

WON'T DO (DUMMY)