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Sprint 3 Planning Document (Group 9 / Blotto Beats)

User Stories to be implemented in this sprint

- As a user, I would like my authentication to not fail randomly
- As a user, I would like a notification when my vote or upload failed to go through
- As a developer, I would like the client to use images for the button icons rather than a collection of points.
- As a user, I would like to have a sign out button to use the program anonymously
- As a user, I would like to have the client return a filtered list of songs based on user, genre, and other features.
- As a developer, I would like a way to limit voting to registered users, and to ensure users can only vote once on each song.
- As a user, I would like more genres to be added to the generator.
- As a user, I would like to be able to export to .midi
- As a user, I would like the account creation and advanced setting pages to match the visual style of the client.
- As a user, I would like to have a “remember me” box when logging in
- As a developer, I would like the addition of new generator parameters to have trivial modification time.
- As a user, I would like the list of top songs to be more visually appealing.
- As a developer, I would like the server to request authentication for the database, and to save credentials for future use.
- As a developer, I would like the server to support basic text commands.
- As a user, I would like the networking to run in a separate thread, so that the client does not hang.
- As a user, I would like for the client to be stable and bug-free
- As a user, I would like for the client to have a “always on top” button.
- As a developer, I would like the SQL libraries to be distributed along with the server.

Description of tasks (minimum of 1 task per team member)

General Beautification - The advanced settings, account creation, and top songs list should be changed to be more visually similar to the rest of the client. (Brandon 6-8 hours)

Implement User Themes - Allow users to import their own images and color scheme to

customize the client to their liking. (Brandon 4-6 hours)

Threading Network Requests - The client should send out network requests as separate threads to the client so that the client does not hang during server interaction. (Mitchell 3-4 hours)

Genre(s) -The compositional rules of one or more genres should be implemented by both Michael and Austin, leaving the final client with four or more total genres to be available for play. (Austin and Michael 20 hours each)

Menu Additions/Modifications - Add the additional features of the menus such as the remember me checkbox, export to midi button, logout button, always on top button.(Mitchell 5-7 hours)

Server Improvements - Let the server support a simple command-line interface to work with songs and users. Have the server request database location and authentication when started, with the ability to remember these values for future use. Additionally, fix the authentication bug. (Ryan 10-15 hours)

Networking Improvements - Allow song list requests to filter based on criteria. Disable voting on existing songs but not uploading new songs for unregistered users. (Ryan 3-5 hours)

Database - Add a column to store users who upload songs. Make it so a user can't continually vote on the same song. Improve the list return function to be able to return lists of songs based on more than just top votescore. (Joe 10-15 hours)