Tunes

Team Members: Kevin Alarcon, Munkh-Erdene Baatarsuren, Kyle Godinho, Damain Moquin, Evan Moore, Jack Nguyen

Github

Overview

Tunes is a social media platform that focuses on connecting users with similar music taste who live near each other. The app will allow you to connect your Spotify account and share information such as location, favorite songs, and playlists and offer robust features for browsing through users close to you and connecting with them such as event pages, user search, and an interactive map that displays your friends on the site, as well as others near you currently listening to music. Since first implementing the project, we've kept the features essentially the same while allowing the ability for users to log in to their own unique accounts and edit/change personal information and events as necessary.

Design Overview

Tunes now supports login/logout functionality, so each profile of the site is now associated with a unique user who is able to login to the site on their own profile, which is reflected in the dropdown user tab at the top-right of our site. Once logged in, they are able to change information about their profile, as well as events on the site. Users can also register and create a new profile page directly on the site without having to go through the admin page. In practice, this involved creating two new forms for user creation and event creation respectively, as well as the associated pages with deleting and validating user entry. We also give the option of editing events and profile information, which additionally involved implementing the settings page that we had created previously.

Problems/Successes

Our group was generally successful in implementing the desired functionality for this part of the project. We each continued mostly working on the pages we have been responsible for thus far, with Kyle taking the lead on user authentication and Damain on event creation, and everyone else making sure their pages were integrated successfully within the new login/logout implementation. Our process of getting user authentication to work involved repopulating the database with mock information since we ran into a conflict between our "User" model class and the Django user framework, which was fixed by renaming our "User" class to "Profile". This was mostly simple to do as we had done so once before. We found that we were more successful in communicating via Slack when one of us was merging changes to the master branch which was very helpful to ensure no one's content was overwritten, and plan to continue in a similar fashion for the final part of the project and don't anticipate any similar problems.

Team Choice

For the team choice component of our project, it only seemed natural to focus on the Spotify aspect since we have envisioned it as building off of a user's previous music library to help make connections with others. Therefore, for the team choice part of our project we will attempt to connect our website to the Spotify API so that user information such as favorite songs, playlists, and followers can be recorded onto the site without having to be explicitly added when users link their accounts. We think this will make our site much more useful and easy to interact with since a user's Spotify should be

a good representation of their music taste, and they will easily be able to integrate it into Tunes to help find others with similar interests.

Individual Writeups

Kevin Alarcon

I worked on the login and authentication section for this project. The views of the nav bar were tailored to the specific user to show their username and have a different drop down window from where they could logout. Early on I identified that were going to have trouble with the users in our database, which gave us time to plan and adjust how we were going to handle our users. Overall, I'd like to think that I did a little under ⅙ of the work and I'm glad I worked on it early because it got the ball rolling our team.

Munkh-Erdene Baatarsuren

I worked more on the user who is currently logged in, implementing both front and backend of the "my profile" and "settings" pages. The "user profile" page shows all data associated with the user who is currently logged in, and the "settings" page enables the user to update his/her own personal data in the database. In short, the main tasks of these two pages are to show and update the data associated with the user's profile. My work can be scaled as 16% (1/6) of the total work.

Kyle Godinho

For project 3 I moved away from the home page and focused on making sure authentication worked along with all of the contributions from Kevin. This involved renaming our "User" model to "Profile" and then re-making the database. Afterwards, I spent some time making trivial changes to pages so that they still worked with the new model. My final contribution was making a "Create User" page that actually created a user that could be immediately logged into. A big part of this submission for everyone was communicating over Slack which we all did a great job doing. Overall, my contribution is probably ⅙ or ~ 16%.

Damain Moquin

I contributed to the team's work for project 3 in a multitude of ways, with my focus being on the event page and its related forms, authentication, and models. I wrote the code for the views, templates, URL mappings, and everything else related to the 'create', 'modify', and 'delete' views of the event page. I created a "Tunes Event Admin" group on the admin site that gives its members permission to create, modify, and delete events. I also created buttons on the event page to access the create/modify/delete views for users with the proper permissions (only visible to the "Tunes Event Admin" group). When our database had to be flushed to resolve an issue, I repopulated the database with new events and users with various permissions. I changed the login redirect URL so that when you log in, it takes you back to the page you were on before. I also worked on and helped with various other small things.

I would estimate my contribution to be around 16%, maybe a bit more. We all did our fair share of work for this submission, and helped each other out when necessary.

Evan Moore

For this part of the project, my main contributions involved repopulating the database with user information after the login/logout functionality was implemented, making sure the map parts of the site still worked as desired through each user, and contributing information about or project's background to the team write up. This mostly involved sanitizing each user's information to make sure the latitude and longitude information was present and accurate, and adjusting my template and view to match the changes in the model we had to use. After that, I helped make sure everyone was on the same page with successfully integrating each of our changes to the project and worked on putting together the team writeup. All in all, I would estimate my contribution to the project to be around 12-15% given that much of the work regarding authentication was finished by other team members and my work was mostly concerned with making sure other elements of the site worked as desired around that.

Jack Nguyen

For project 3, I continued to focus on the people's page. Kyle re-made the database and I worked on the people's page to make sure it worked with these changes. I also tried to work on search functionality to filter through different users on the website. Overall, I believe I contributed a bit less than ⅙ of the work for this project. Everyone put in a good amount of work and communicated well over Slack.