



MusicBook

(Working Title)

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Description

Both musicians and music lovers are enthusiastic, friendly, and happy to share their opinions on music, however there isn't a site for them to meet and discuss their passions. This website, with the working title MusicBook, takes on this issue by encouraging the sharing, discussion, and discovery of music via the personal connections of users on the site.



Features

- Anyone can create an account and their data will persist.
- Users can make a page, which encourages the user to write about their music interests and include an embedded favorite tune.
- Users can select privacy and which kind of post they are making.



Planning - User Stories

- Users can create an account, log in, log out, and persist data.
- Users can make a page and edit it to their specification. They can include embedded music for other users to view.
- Users can embed music in their posts.
- Users can make a post, either to “all posts” or to a specific page.
- If a user wants to view the author of a post or page it was posted to, they can do so by clicking the footnote link beneath the post.



Planning - Database

Database Tables

- Users
- Posts
- Pages
- Settings
- Groups

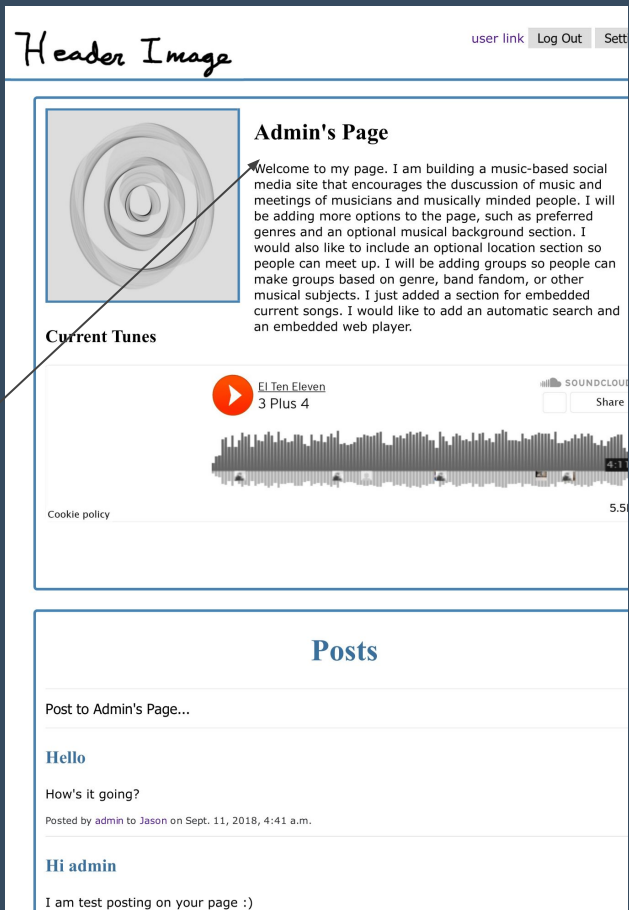
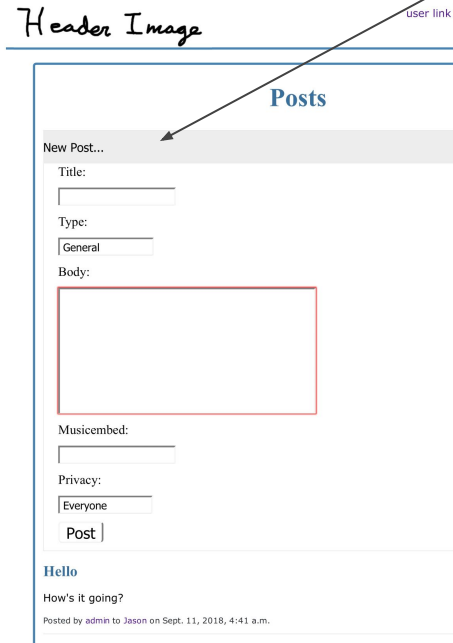


Technology Stack

- Python V3
- Django
- Django Templates
- Sqlite3
- Others include: pip, Pillow, spotipy, wheel, and beautifulsoup4



Demo



What I Learned

- Django Framework, including its database and template language; Deeper MVC framework skills, with the addition of Django Forms
- Deeper CSS and HTML skills, incorporating basic Javascript
- SQLite3, OAuth and external API
- Full social media site development skills; user login, posts model, user pages, database relationships, and user interface



What's Next

- Incorporating Music Streaming APIs so user may search for music within the site, which can be automatically embedded
- Make it possible for two users to start a group using django's framework, which will be linked to a page
- Add more editable options to user pages such as genre interests and editable color scheme

