



BeatBuddy

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Description

- BeatBuddy allows users to see their favorite artists/songs, input songs to find similar ones, and search for artists playing nearby.
- Users must login (or register an account if they don't have one) to use any of the app's tools.
- Once logged in, users have the option to link to their Spotify account which will allow them to see their favorite artists/songs.
- Allows for music discovery, live music updates, and local concert search



Tools



Project Tracker - Github ★★★★★

UI Tools - HTML and CSS and EJS ★★★★★



External APIs - Spotify (★★★★★), Last.FM(★★★★★★) and Ticketmaster(★★★★★)



Deployment Environment - Microsoft Azure ★★★★★



IDE - VS Code ★★★★★



VCS repository - GitHub ★★★★★

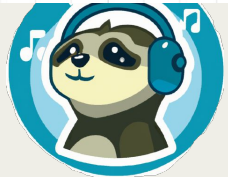
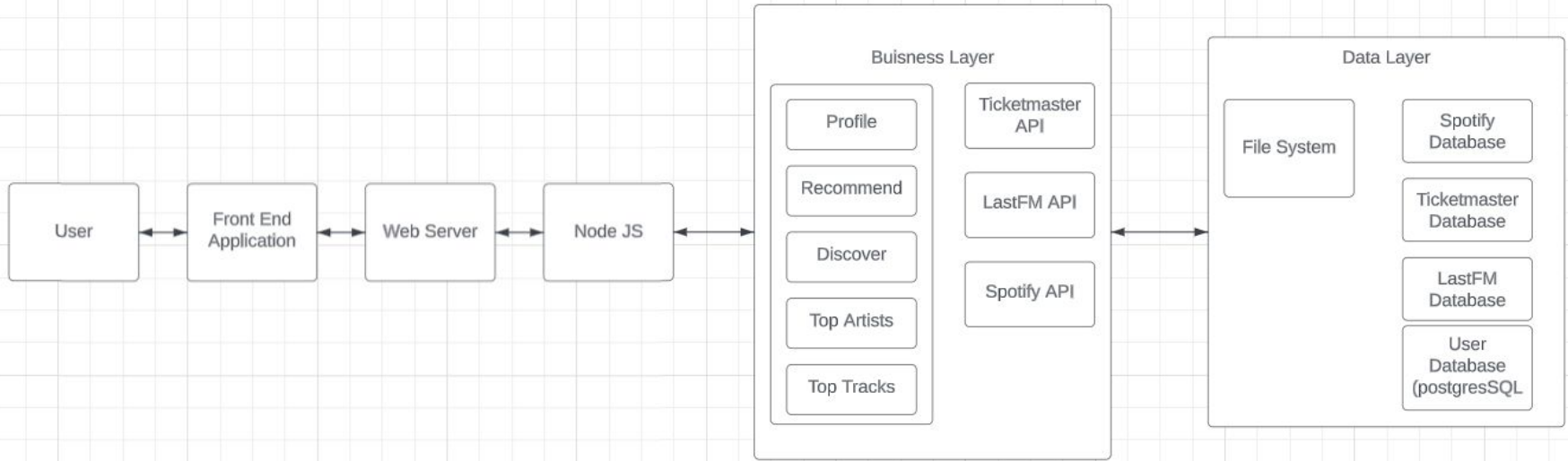
Database - PostgreSQL ★★★★★

Application Server - NodeJS ★★★★★

Testing - Chai and Mocha ★★★★★



Architecture Diagram



Challenges

1. Spotify API : Spotify log in system was complicated and we ended up getting the wrong authorization code which gave us a lot of headaches later
2. Discover Page: Have to send a separate API request for each of the users top artists (about 50 API calls) to populate the page, and many of the API calls return undefined if the artist is not touring in the area.
3. Testing: experienced memory leaks and errors with file structure, so the file structure had to change and certain group members had to run and debug tests. Bcrypt also doesn't hash passwords the same way, which was an issue for our test cases.



Demo

