UniSpot

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Description of the Project

- UniSpot is a website where you can can find out what your university's top songs
- UniSpot also lets you search songs based on keywords
- The trends page allows you to see when and how many times the songs was listened to
- Check out you profile page to see what you've been listening to

Tools

Project Tracker

GitHub Project Board

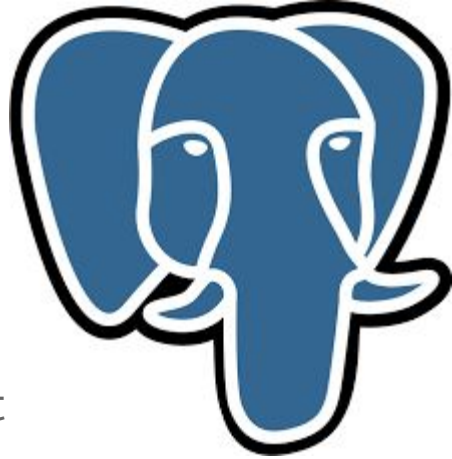
- Purpose: track the progress of stories, assign stories, and request feedback
  - Ice Box
    - Stories that are not picked up in the current sprint.
  - To Do
    - Stories that still need to be completed
  - In Progress
    - Stories that are currently being worked on
  - Done
    - Stories that have been completed
- Rating: 4
- Methodologies: project management

VCS Repository

GitHub Repository

- Purpose: a coding project's files and the revision history for each file
- Rating: 4
- Methodologies: iterative, peer code review

Database



PostgreSQL

- Purpose: a powerful, open source object-relat database system
- Rating: 3
- Methodologies: storing, maintaining and accessing data

IDE

Visual Studio Code

- Purpose: enables programmers to consolidate the different aspects of writing a computer program
- Rating: 4
- Methodologies: iteraverive, individual programming, pair programming

UI Tools

EJS

- Purpose: embed JavaScript code in a template language that is then used to generate HTML
- Rating: 4
- Methodologies: create website pages

Tailwind CSS

- Purpose: open source CSS framework
- Rating: 4
- Methodologies: design website pages

Application Server

Node JS

- Purpose: a multi-purpose server-side processing engine
- Rating: 3
- Methodologies: back-end use

Deployment Environment

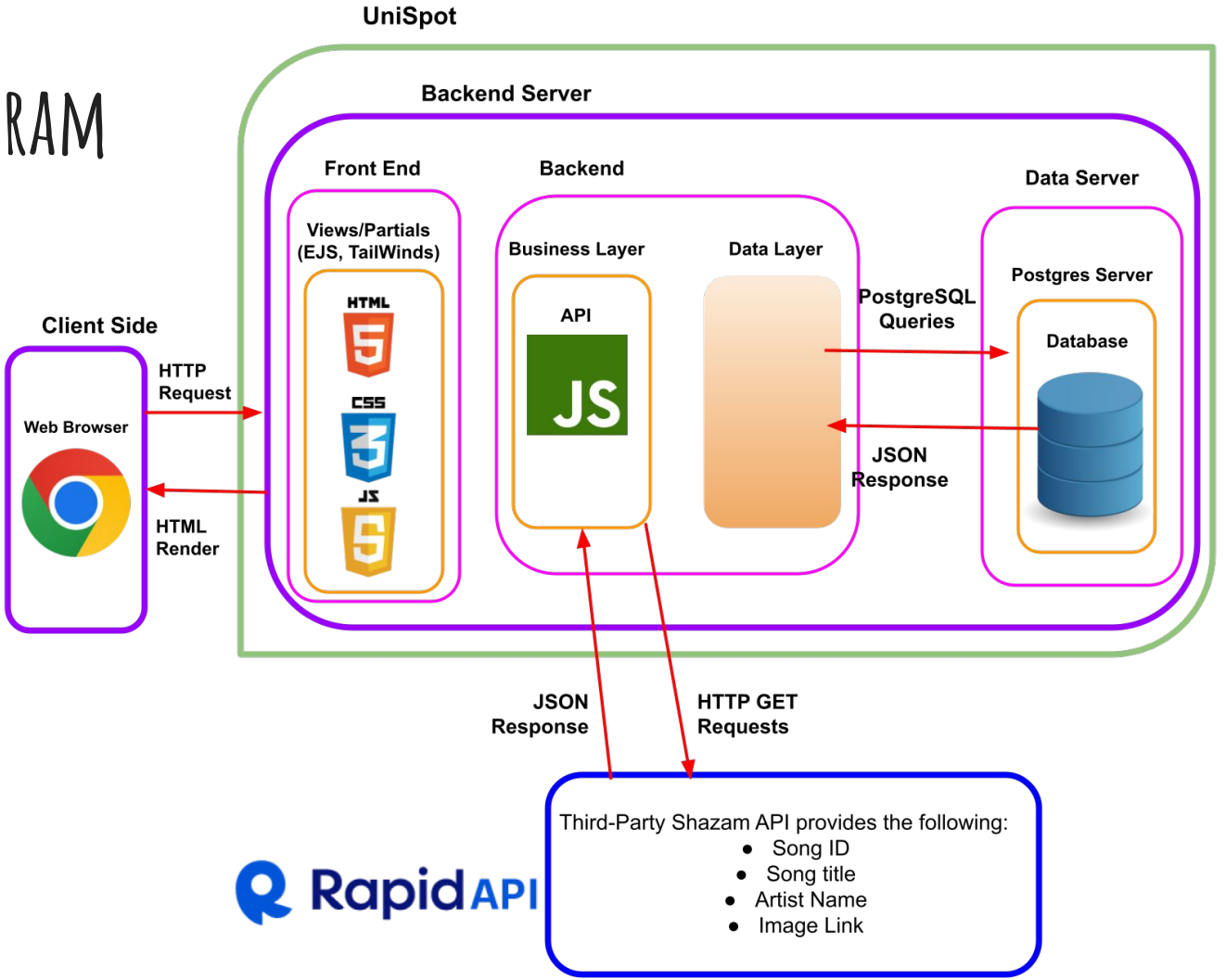
- Did not complete

External APIs

Rapid API

- Using third party Shazam API
- Purpose: consume any API using a unified format that is easy to understand and embed in your application
- Rating: 4
- Methodologies: understanding Shazam’s API

Architecture Diagram



Challenges

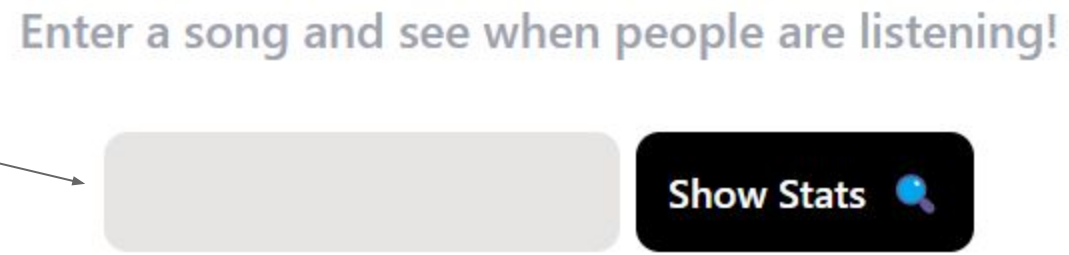
- Originally we planned on using Spotify's API, but due to it not being provided for common use we decided to use Shazam's API
- Password Hashing created a lot of problems for us
- We also planned on having a page for artists to view which university's where listen to their songs, but due to lack of API calls, it wasn't feasible

Demo

Future Enhancements

- Have an artists page, where artists can find out what universities are listening to their songs

On data_trends page, searching for a song would generate a dropdown on the search bar and allow user to select the specific song they want to see data for.



Demo

INSERT DEMO VIDEO HERE

FOR BACKUP PURPOSES

Question