

Progress Report

- Increment 1 -

Group #8

<https://github.com/ib22c/CEN-4090L-Group-8>

1) Team Members

Analia Castellanos, agc22b, acaste11

Ivan, ib22c, ib22c

Cameron Bender - cdb21c, cameronbender3

Abigail Mckane - am22bg, abmckane

Daniel - dlw21b, dlw21b

2) Project Title and Description

In Tune is a website that allows its users to browse albums, post rankings, and view other users' profiles.

3) Accomplishments and overall project status during this increment

Describe in detail what was accomplished during this increment and where your project stands overall compared to the initial scope and functionality proposed.

For the UI, we have created the first drafts of the website including the browsing page, search bar, login page, as well as visual components to appeal to users. There are also databases for the music information (artist, song name, album, etc.) and for the login information (usernames, passwords, and user ids).

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

Please describe here in detail:

- anything that was challenging during this increment and how you dealt with the challenges

- any changes that occurred in the initial plan you had for the project or its scope. Describe the reasons for the changes.

- anything that went wrong during this increment

- Learning React was a challenge because none of us had used it before. Watched youtube videos and researched online to learn more about it to create the first drafts of our webpages.

- Merging components from different team members is also a bit of a challenge.

-Had some initial difficulty linking the login sql database to the frontend, as well as displaying messages from the backend to the console display on the login page.

5) Team Member Contribution for this increment

*Please list each individual member and their contributions to **each of the deliverables in this increment** (be as detailed as possible). In other words, describe the contribution of each team member to:*

Cameron Bender:

a) I wrote the first bullet about plans for the next increment.

- b) I wrote the 2nd bullet point of the functional requirements and the first 2 bullet points of non-functional requirements.
- c) I wrote the first bullet for programming languages and the first 2 bullets for platforms/APIs.
- d) I wrote everything in the src directory on GitHub and the requirements.txt.
- e) I showcase and write about how we integrate with an external api to let users search for albums and also incrementally save these albums to our database.

Analia Castellanos:

- a) I wrote the Project Title and Description in Report Template
- b) Wrote bullet points 1 and 3-6 of functional requirements.
- c) Added the front end programming languages.
- d) I added the folder react_pages and react_example, which contain the draft and an initial example of the frontend for the website using React and Typescript.
- e) Wrote a description for part 1 of the video.

Ivan Burtsev:

- a) I created the database in which this website will be based
- b) I wrote the **progress report**, including the sections they wrote or contributed to
- a) the **requirements and design document**, including the sections they wrote or contributed to
- b) the **implementation and testing document**, including the sections they wrote or contributed to
- c) the **source code** (be detailed about **which** parts of the system each team member contributed to and **how**)
- d) the **video or presentation**

Abigail Mckane:

- a) Added onto Increment accomplishments, challenges of the increment, and plans for the next increment in the progress report template.
- b) Wrote email draft for progress report template.
- c) Added draft webpage to github of main user interface
- d) Worked on merging Analia's webpage draft to my own
- e) Adding to functional and nonfunctional requirements in RD template

Daniel Wright:

- a) Added to the accomplishments on overall project and the challenges list
- b) Created database for the login information
- c) Built basic UI for login page

6) Plans for the next increment

- 1) We'll need to set up a postgresql server that is not on localhost.
- 2) Fully connect the React with the DB
- 3) Continue adding functionality to the website when it comes to search bar and buttons
- 4) Add more visual components to the UI

7) Stakeholder Communication

Draft an email communication to the stakeholders of the project succinctly communicating progress and current project status. The email should be intended for a non-technical audience that is expertly aware of the domain your application is designed for. You may not “break the fourth wall” or otherwise refer to the course in the email, instead, you should think about how setbacks or issues you encounter may reflect setbacks that happen in the larger context of production software development and explain them as such. The email should not exceed 500 words.

Stakeholders-

Our team is making steady progress on the music discovery platform. We’re currently focused on establishing the core connections between the frontend, backend, and database. On the frontend, we’ve begun building the login and browse pages using React and TypeScript, setting the foundation for features like album search and user ratings. On the backend, we’re developing a Flask API and PostgreSQL database to manage user data, ratings, and stored album information. As expected at this stage, we’re working through integration challenges — particularly ensuring consistent data flow between the different systems and handling external API rate limits. To address this, we’re planning a caching system to improve performance and reliability. In the coming weeks, our priority will be connecting the frontend to the backend so users can search for albums and log in. Once that’s functional, we’ll focus on refining the interface and adding user profile and rating features. Overall, development is progressing as planned, and we’re laying a strong foundation for the next phase of the project.

8) Link to video

Paste here the link to your video.

<https://drive.google.com/file/d/1IzwuASeSoIzOmt3fiomgH6b86wJcUGeF/view?usp=sharing>