IM3180 Design and Innovation Project (AY2023/24 Semester 1)
Individual Report

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Group No: 4

Project Title: Jam Stream

Contributions to the Project (1 page)

My parts of the app that I was mainly in charge of was the frontend of the app, more specifically the main page and the playlist page. Much like most of the other members, I spent the first few weeks just trying to learn JavaScript and how to use React Native as I did not have any experience with either.

After learning these 2, I then spent most of my time just making the home page, which displays the user's recently played songs at the top and also the user's playlists at the bottom.

Then I also made the playlists page, which is the screen the user is directed to when pressing any of their playlists. The screen lists all of the songs in the particular playlist, with the playlist name at the top.

Lastly, as I had managed to finish this early, I spent the last week or so helping out a bit with the radioroom screen, particularly to get rid of the errors there. I also contributed with the making of the poster.

Reflection on Learning Outcome Attainment

Reflect on your experience during your project and the achievements you have relating to <u>at least two</u> of the points below:
    (a) Engineering knowledge
    (b) Problem Analysis
    (c) Investigation
    (d) Design/development of Solutions
    (e) Modern Tool Usage
    (f) The Engineer and Society
    (g) Environment and Sustainability
    (h) Ethics
    (i) Individual and Team Work
    (j) Communication
    (k) Project Management and Finance
    (l) Lifelong Learning

Point 1: Individual and Team Work

In this project, I felt that the individual portion was definitely more felt in the first half because as mentioned above, most of us did not have any experience with React Native, Firebase or even JavaScript besides Aftanza and Gabrielle. As such, for me learning a whole new language was definitely a major accomplishment. It was pretty hard at first for me to grasp the language but once I actually started working on my part, it became easier to understand the language. The end product of my 2 screens also turned also quite good, so I was satisfied with my individual work.
In terms of team work, it was definitely more evident at the second half of the project. As all of us were already familiar with JavaScript and React Native, the main effort was now to collaborate between all of our different screens and also to help each other whenever we had errors that the others had experience with. Also, as we approached the end, some of us finished our parts early so we started to work together with the remaining work, especially with regards to standardizing the screens and also working out the backend.

Point 2: Communication

In terms of communication, our group made sure to have consistent group meetings whereby we went over our roles and gave specific progress updates. Everyone in the group was also always given opportunities to voice out any concerns that they may have in these meetings, which I believe fosters an effective work environment. Also, the group leaders always made sure to divide the tasks up equally and always ensured that the group members did not get too worked up with the end goal and instead focused on slow and steady weekly improvements in the app. I believe this kind of communication ensures that the group is always in high spirits and also encourages us to seek each other's help without getting too anxious.