IM3080 Design and Innovation Project (AY20xx/xx Semester x)
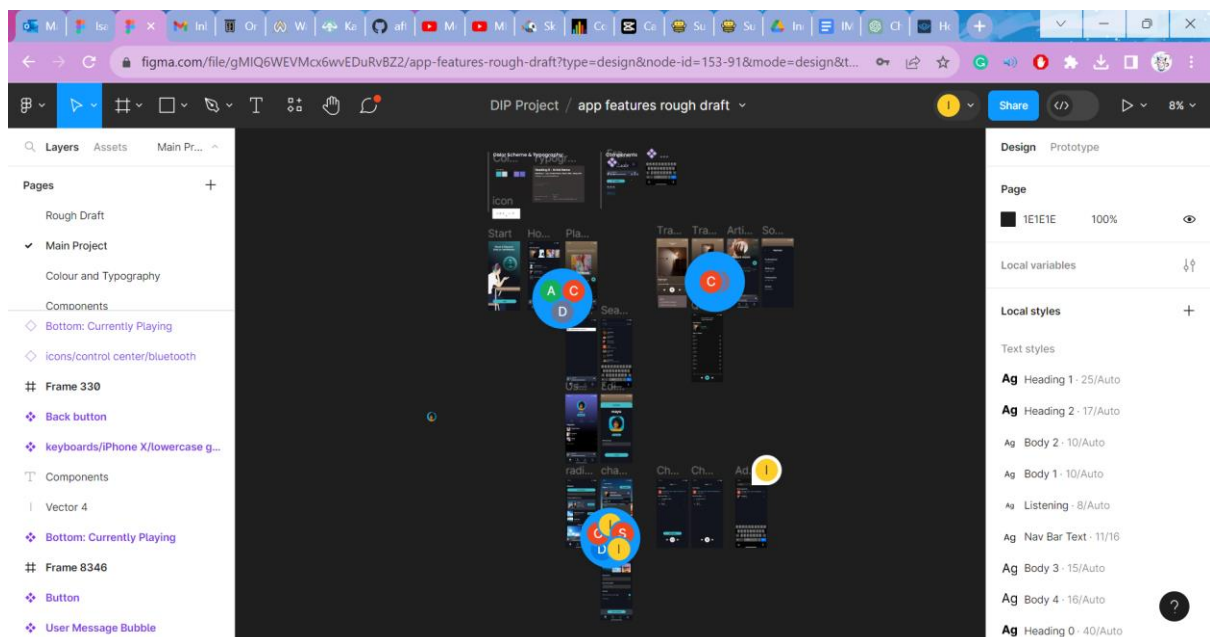**Individual Report**

Name: Isaac Sim Wei Xiang

Group No: 4
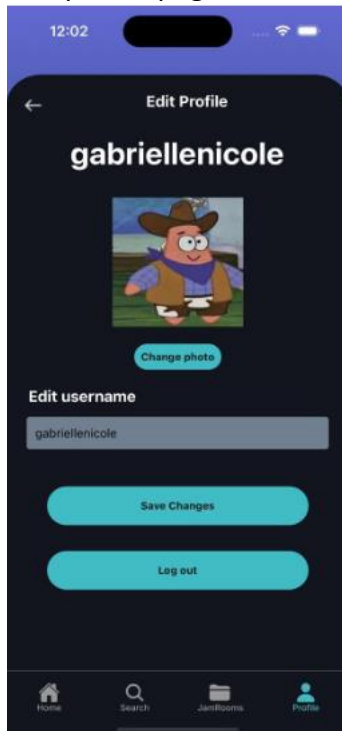
Project Title: JamStream

Contributions to the Project (1 page)

Figma – Together with Rui Han, Darren and Xin Zhen we designed the whole app using figma with the basic interactions, all pages were done by us
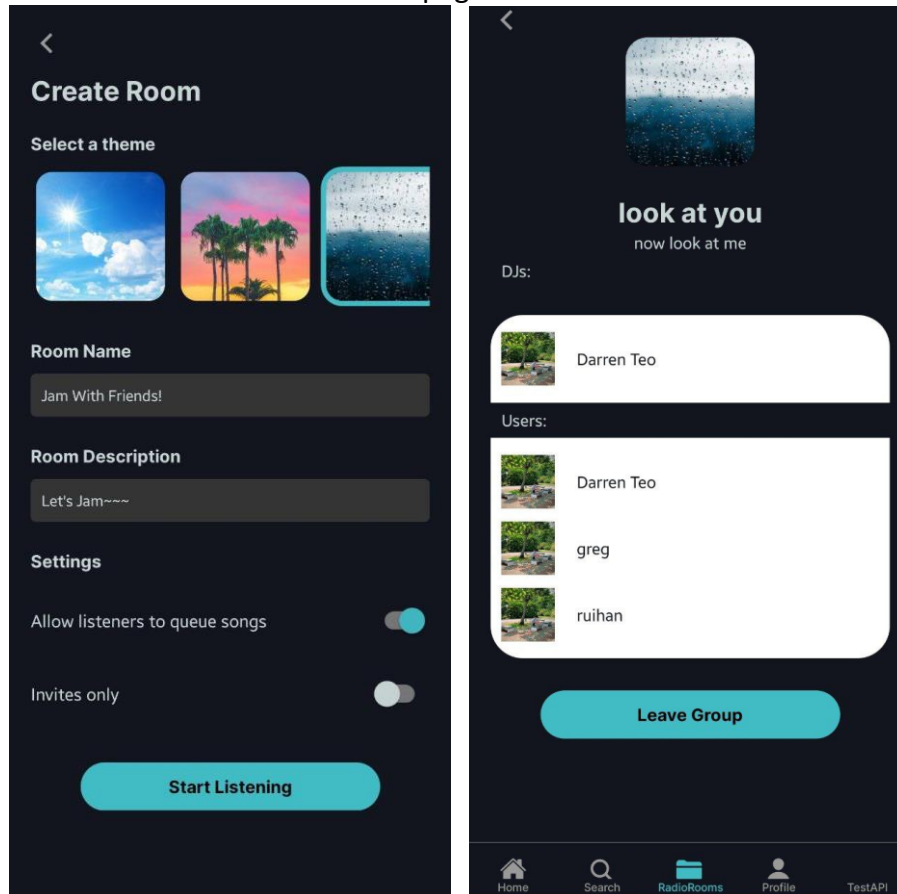

React Native – After we were done with figma, the whole group was allocated evenly with what to do, so I did the page that enables you to edit profile. Then me and Darren did together the Create Room page and Room Details page.

Edit profile page

All features work, with the back button, changing the profile photo(can be both from photo album or a photo that is taken in real time), changing username, saving changes and logging out.
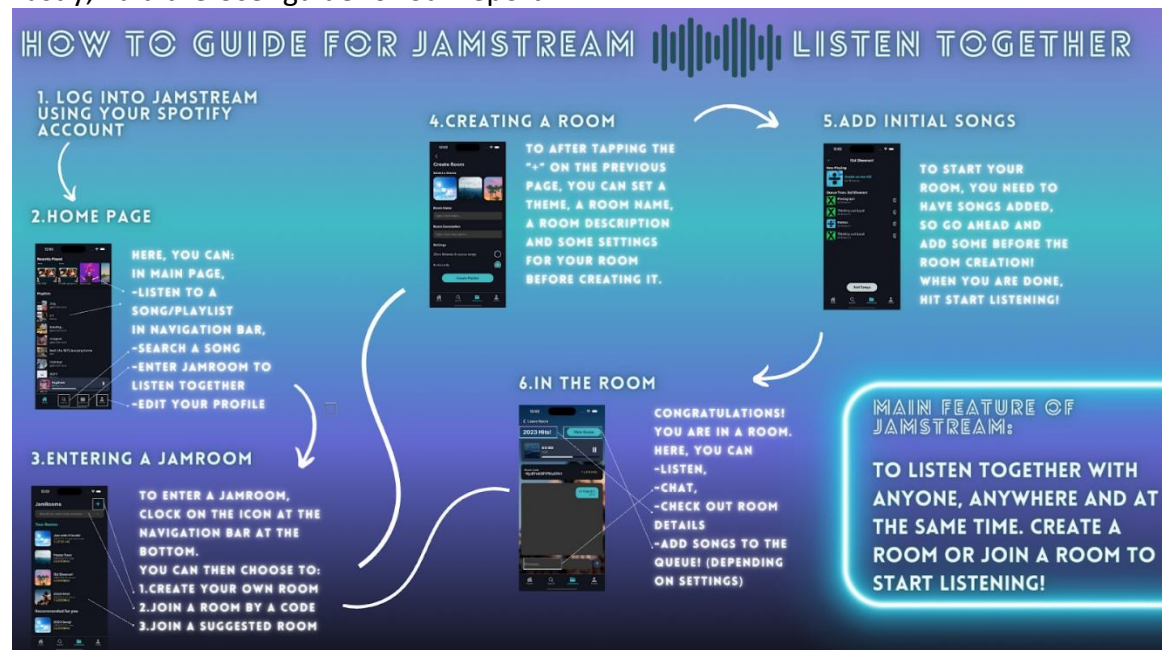
Create room and details of room pages

For both pages, I did the frontend which is the designing and coding of how the page would look and Darren did the backend linking to firebase.

Me, Darren and Min Htet did the video as well.
I mostly did the editing of the video and a bit of the recording.

Lastly, I did the User guide for our report.

Reflection on Learning Outcome Attainment

Reflect on your experience during your project and the achievements you have relating to at least two 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: Design/development of Solutions
I realized that the next most important thing to problem analysis is the designing of the solution to tackle the problem. It may seem easy on first thought, but there are really a lot to consider when it comes down to the nitty gritty. For example, our solution of sharing a room to listen together brought about questions such as who is the owner of the room? How would it be created? What are the functions? How can we go about doing it? And these are all part of designing the solution. So from my experience, this area of designing a solution is one of the most vital parts and in order for it to be successful, we must think deeper and ensure that all areas of the design are covered and portrayed well to tackle the problem.

Point 2: Modern Tool Usage
I really learnt a lot about how to use the various tools such as Jira, Figma, React Native, GitHub. Jira for our project management, Figma for our mockups, react native for our main software and GitHub to share and collaborate our files together. From someone who does not have much programming background, and with the help of my groupmates, I learnt so much on how to write proper codes, to see the development of the app from scratch, the problems we faced along the way and resolving them and it really gives me a fresh perspective on the difficulty of creating an app from scratch. But it was worthwhile and definitely an achievement for me and the group to have done this app.

Please save the file in PDF and upload to the system.