

IM3080 Design and Innovation Project (AY2020/21 Semester 1)

Individual Report

Name: M Heriz Putra Yusoff

Group No: 2

Project Title: Float

Contributions to the Project (1-2 page)

I was assigned as part of the development team. The following mentioned refers to the coding aspect of the project on the User Interface (UI) and logic using React Native on Android platform.

- **Search, Favourites and Recent screens (UI & logic)**
- **Guides 1.0: Meditate, Sleep, Move, Focus screens (UI)**
 - Passing and loading of all activities' details across the screens (logic), and some UI components for:
 - Guide Details page: general layout
 - Guide Activity page: video player
 - Guide Complete page: exp & coins animation
- **Profile Screen - Journey 2.0**
 - All 4 Journey components (UI):
 - Various Journey Statistics & Sleep calendar UI
 - General UI with background components
- **Explore 2.0: Timeline page (UI)**
- **Connecting Mood Tracker with backend**

A more descriptive progress for each can be viewed on Github.

User: NovemForxuz (Heriz Yusoff)

- Search, Favourites and Recent
<https://github.com/ljunqian/Float/issues/31>
- Journey 2.0
<https://github.com/ljunqian/Float/issues/44>
- Explore 2.0: Timeline page
<https://github.com/ljunqian/Float/issues/46>

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: Modern Tool Usage

With the use of **Github**, I was able to effectively work with my team in a software development project. For this project there were many people working concurrently on the same repository so having a version control tool was essential in **tracking and managing changes** to software code. In addition, with the use of Github dashboard to **manage issues and create tasks** readily allowed me to see all the tasks to be done as well as view solutions to similar issues. We also used the project roadmap feature available on this dashboard to keep **track of incoming, current and tasks that have been completed** easily which allowed us to manage the progress timely. As a result, relevant feedbacks were actively given for each task which **promote communication and increased productivity**.

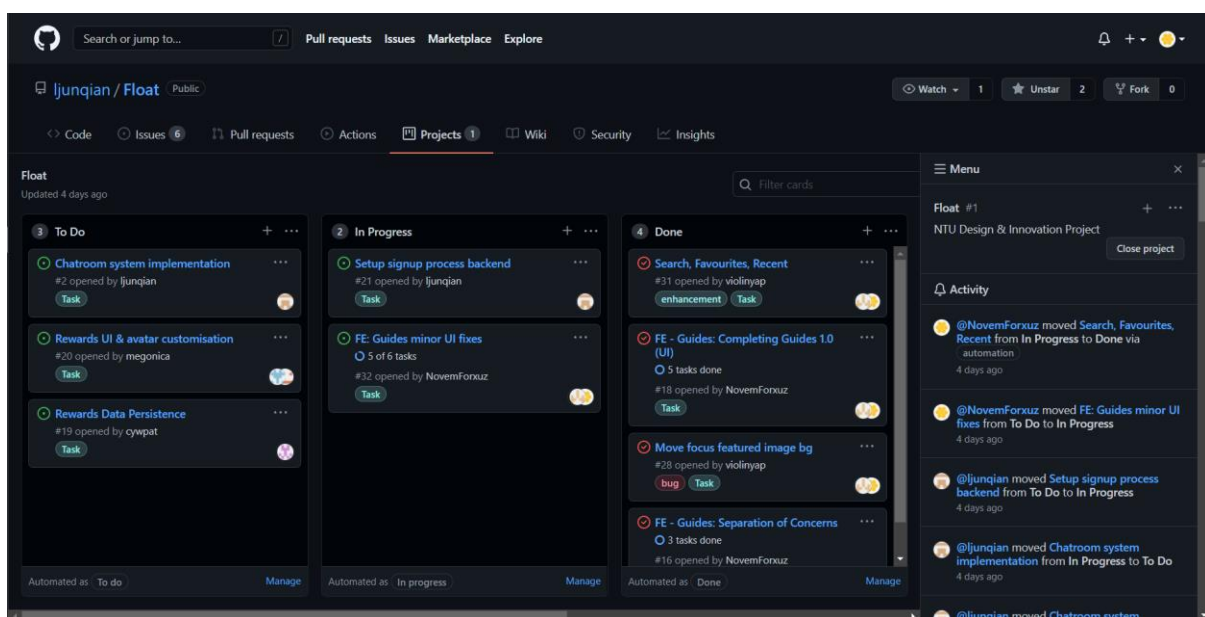


Figure 1: Github Project Roadmap

Point 2: **Individual and Team Work**

From this project, I was part of the **frontend development** team where I had to code the features that has been planned. From working on various features, we were able to work with different teammates and learned how to **collaborate** and work with a new programming language like React Native. Moreover, I was able to apply what I've learned in software engineering and relate the concepts as I implemented and test different libraries for various features. After gaining this experience, I learned how to **value teammate better** as not only it is difficult work in a team with various levels of competency, but with a multi-talented team more work could be done. Additionally, this allowed me to view a positive outlook towards collaborative projects with **cross-functional team**.