IM3080 Design and Innovation Project (AY2021/22 Semester 1)
Individual Report

Name: Lim Jun Hong

Group No: 05

Project Title: myHealth

Contributions to the Project (1-2 page)

Brainstorming:
1. Coming up with problems and investigation by doing Teardown of existing apps (Problem Analysis):
    a. Researched and highlighted flaws/area of improvement for Healthhub
    b. Researched and highlighted flaws/area of improvement for SG BusLeh.
2. Analyse existing app and come up with wireframes for new features:
    a. Pair work with Shawn to come up with myResponder feature
    b. Researched for screenshot references of the app
    c. Used figma and designed some 'pages' of the new feature
    d. Feature was axed (didn't make it after elimination)

Development of Solution:
3. After finalizing App and new features (Designing and Brainstorming solution):
    a. Allocated to the 1.0 team
    b. Contributed to the basic layout and colour theme of some button (main features as buttons in the center), after research
    c. Suggested to have 'slogan'
    d. Designed the current Diet Tracking's button icon (other icons, backgrounds etc I drew up were axed one way or another along the way to the final app)
4. Got allocated into Functions team after reorganization:
    a. Researched on chat part of E-Consult feature (still on android studio)
    b. Tested chat with Shawn (still on android studio)
5. Coding from android studio to react native:
    a. Researched and found solution to shifting the chat and video call function from android studio into react-native
    b. Added a delayed popup code to link the waiting room page to the video call
    c. Updated the video and chat to properly combine the Video call and Chat through a toggle
    d. Fixed the flow (and links) from video calling to chat to making payments
6. Others:

a. Find some front-end related 'bugs'
b. Fixed link bug on EConsultCallEnd.js
c. Updating token for Opentok API (for the video calling)
d. Updating readme
e. Recorded backup for demo with Liu Xiao

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: __(a) Engineering knowledge + (e) Modern Tool Usage____
State the area: __learning how to code better in JavaScript and CSS and use React Native_
Initially, I have little knowledge and experience in JavaScript and CSS. I struggled to get basic CSS styles right, and there were differences between function and class component etc. Reading and learning from my peer's code, I learn a lot, for e.g. what each line does, why is the syntax like this etc. Then I moved on from learning the basic, like writing contents to be displayed in JavaScript and how they are to be displayed in CSS, to nested lines and states. Eventually I learnt how powerful states are and many things can be done through states. It has widened my knowledge on java script and now I can think of many different things to do with it. Its also my first time trying react native. React Native is a popular tool to develop application. It lets you code in JavaScript but can render the result in IOS or Android, it also provide many components that makes coding certain function easier. I learnt how to use some of react components like constructor, render, componentDidMount etc. I also learn many things like react navigation, modals, keyboard etc. This is a fruitful experience as the tools learnt will definitely help me when I go out to work, because they are what's often used today._____
_____

Point 2: __(i) Individual and Team Work + (j) Communication _____
State the area: the whole project in general_____
I am an Introvert. Working in team has always been difficult, as an introvert, I get energy by being alone, so I have the tendency to not speak up. Individually, it's somewhat more forgiving to be slow at work while decisions can be made quickly, because there is only 1 person. In a team, it's the complete opposite, work has to be done fast and decisions often take much longer to settle because there are many people and things to consider. Working as a team takes more energy than working alone. Individually, one can go at his/her own pace, however in a team, it is very easy to be lost without communication. At the start I was initially hoping that leaders will just assign things for me to do, and I'll do it, it's easier for me that way. However, reality is very different from expectation. In a team, there must be communication, the leader won't know what you are good at or what you want to do or that you are lost if you do not speak up first. This was a challenging but fruitful experience for an introvert but it has taught me that to bridge the gap between Individual and

3

Teamwork, communication is important and this experience has given introverts like me a chance to learn to communicate more better, preparing for actual work out there. _____

_____