**IM3080 Design and Innovation Project (AY2021/ Semester 1)**

**Individual Report**

Name: \_\_Lui Cheng Mun, Sherry \_\_\_\_\_

Group No: \_\_\_\_\_\_6\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Title: \_\_\_\_CoHab\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Contributions to the Project** (1-2 page)

* **Brainstorming of ideas**

Chose an application, did various target groups and market research to suggest improvements that could be made to the application and presented it to the team. Gave suggestions on the video and poster.

* **Providing ideas for the design of the application**

After confirming the functionality and target group of our new application, came up with innovative ideas and sketches as to how the various functions could work out or be designed and presented to the team.

* **Figma**

In charge of designing the Calendar functionality of the application and its various modal screen or additional features on Figma. Ensured the consistency of design, fonts, and style across the whole application.

* **UI/UX Design**

Research on logo and icons designs. Collated all the functions and possible icons needed for the entire application. Designed the icons and buttons needed for the application on Illustrator. Designed the application logo and had to ensure that it fits the overall aesthetics of the application.

* **Coding**

Used React Native to code out a part of the function in the Chores Modal screen. Imported new fonts into the application and edited the codes across all the other screens to ensure consistency in design, fonts, and style across the whole application for it to look like our prototype.

* **Presentation**

Was part of the week11 presentation team. Wrote script and created PowerPoint slides for my part.

* **Report**

Helped in writing the final 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:**

1. Engineering knowledge
2. Problem Analysis
3. Investigation
4. Design/development of Solutions
5. Modern Tool Usage
6. The Engineer and Society
7. Environment and Sustainability
8. Ethics
9. Individual and Team Work
10. Communication
11. Project Management and Finance
12. Lifelong Learning

Point 1: \_(a) \_State the area Coding

Picked up basic React Native, which is an open-source UI software framework based on React.js, written in JavaScript. It was a challenging task to pick up a whole new language and be able to use the React Native framework in such a short period of time. I attended workshops, watched many online tutorials to try and understand and familiarize myself with the language. I spent quite a while picking up the basics of the language and despite that, I still struggled to be able to get my part of the codes working. Luckily, resources online were readily available, and I could find similar codes or functions to refer to or online tutorials to solve the errors I met with. Furthermore, some of my groupmates were proficient in this framework, hence when met with challenges I couldn’t solve, I could always seek help from them. With all the help and support, I managed to code my part and it was functioning exactly like how we intended it to be. I also went on to edit all the other codes to double-check and change all the fonts and styles to ensure consistency.

Point 2: \_\_(I)\_\_State the area Picking up new skills

Throughout the course of this project, I managed to pick up React Native, learnt how to use GitHub and applications like Adobe Illustrator for graphical illustration. These skills that I picked up are very relevant in the future for my career and growth, so I am glad that I had the chance to pick them up. Also, while picking up these skills, I found React Native and Adobe Illustrator to be very interesting and useful. It inspired me to want to learn further and master these skills or explore other skills and applications that are similar. I am sure that these skills would prove to be immensely useful to me in the future. By picking up the different skills through this project in such a short time also build up my confidence. I am more confident in my abilities to pick up other skills along the way and ensure a lifelong learning process.