IM3080 Design and Innovation Project (AY2023/24 Semester 1)
Individual Report

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Group No: 2

Project Title: PetHome (Application)

Contributions to the Project (1 page)

At the start, I allocated tasks for everyone at the start of the project. Tasks were given on a first come first served basis which allowed us to work with everyone's strengths. After we confirmed an idea that we worked on, we started working on our tasks immediately. I also set up the platforms that are required for the group such as Jira for task delegation, Google Drive for sharing of documents, Github for committing codes for the application and Firebase Firestore for our backend database storage.

After the brainstorming session, we all worked on the app mockup on Figma, where we designed our own app page for the dedicated functionality (Vet Page, Appointment Page, etc). When we finalised on the features that we are implementing, my groupmates and I worked on the slides for the first presentation. I realised that I may not be leading a team very well was not what I expected and my most of my groupmates were lost and there was not much motivation.

Besides that, I also worked on the backend coding of pages of the application. I implemented the pages, linking the pages together and including retrieving and uploading data from the database.

As for the deliverables, I've helped out in the group report and video. For the group report writing, I covered the Design and Implementation section and Literature Review along with the help my groupmates to complete the report.

For the video, I also shoot and edited some scenes of the video along with another teammate.

I would like to thank all my group members for being friendly, receptive to everyone's ideas and supportive when anyone reaches out for assistance with our own part.

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
Working individually have its perks as well as teamwork. As I am introverted, I prefer to work individually. Doing my work alone gives me more control and freedom, it also allows me to be more efficient as I do not need to communicate with others. Yet, doing alone also gives more pressure as I have to deal with the challenges myself and I am limited by my own abilities. Being in a group allows me to find out that teamwork is important as well. Being able to work in a team and accomplishing the deliverables together is much easier than doing it alone by complementing each other's strength and weaknesses, we are also able to learn from each other, and improve the synergy within the team. However, teamwork also has its drawbacks as well. When working in a team, there can also be inefficiency due to time taken for coordination and communication, and conflict when there is different opinions, personalities, or interests. After allocation of tasks, I am able to work individually and update my work progress to the group. When I encounter any issues, I can rely on my teammates as well. Therefore, for this project, I think it is a balance of both individual and teamwork, and striking a balance between individual and teamwork is important for achieving overall success.

Point 2: Communication
In a group setting, communication is essential. For our group, as we chose the software, we grouped in terms of the app design, the app build and the backend database. As we are working in different aspects, communication allows for effective information exchange. This includes expressing our thoughts clearly, listening actively to others, and responding appropriately to feedback. Everyone in the group needs to communicate and ask relevant questions. Besides that, listening attentively to the opinions and concerns of others is also important, to not have any disputes within the group. Everyone in our group can receive feedback positively and also offer constructive feedback to others. Besides the usual Wednesday meetings, our group hold Saturday meetings to update on our work progress. Besides the usual meetings, we also have a group chat that facilitates when we face any issues or difficulties, we are also able to help each other to resolve it. When we are allocating tasks, we make sure that we have a fair system where everyone will get to choose the tasks that we have confidence in. Else, we are also able to help each other out when encounter issues. Therefore, effective communication is key to helping us to collaborate more effectively avoid misunderstandings and resolve conflicts.