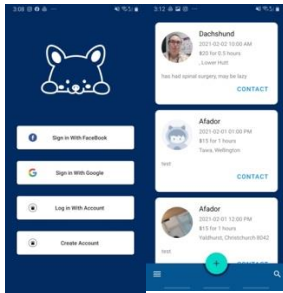


Dog Walking – PetCity

By: Jiali Xie

Advisor: Richa Panjabi

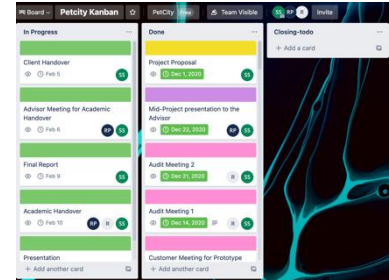
Client: Jiali Xie



Login & Home of Mobile Application



Project Team Member: Jiali Xie



Manage project progress with Trello

INTRODUCTION

The aim of the project is to create a platform for people to post neighbourhood services, currently focused on dog walking services, and to provide more jobs for people coping with the job crisis and economic pressure caused by Covid-19.

This system will be completed through 3 iterations of updates, and this Capstone is mainly for the development of the first version. The current version of the product includes a functional back-end service, an easy-to-use Android application.

Although this project has no official client yet, but based on its nature, there are many potential clients and good development prospects.

DEVELOPMENT

The project development follows an agile development approach to software development, in which the project team uses Scrumban, an approach that combines the advantages of both Scrum and Kanban and is well suited for small teams. Trello was also introduced to better manage the project and track its progress.

It is worth mentioning that the development process of this project consisted of four main sprints, and each sprint ended with a passing test. It is better to control the quality and efficiency of development and ensure the quality of final deliverables. The main areas involved in the development can be briefly summarized in the following four points.

- **Android Development:** Android applications translate requirements into actual actions that can be performed by users and export the project's functionality and concept to users.
- **Node.js Server:** It is the technical core of the project, mainly decomposing requirements into concrete logic and returning business data to the app via API.
- **Testing:** Testing is an important tool to verify the quality of each phase of development and to ensure the quality of the final product delivered
- **Reports:** Each phase will produce different reports, mainly to convert data and related analysis into documents that can be understood by non-developers for later project maintenance and examiner review.

CONCLUSION

From the perspective of the Project Team, the project was a success and the results were promising. The Project Team not only practiced project management effectively during the development of the project, but also improved their professional and technical skills, which laid the foundation for their future career.

Of course, the end of this phase of the project does not mean the end of the whole product development, and the Project Team is happy and looking forward to the continuous development of the system.