Individual Report

Fundamental Practice of Computer Science

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## 19th August 2024

I had a meeting with my team members and discussed the role.

This meeting gave me time to set the direction of development and strengthen the foundational framework, and I was given the foundational task of searching and programming data with Celine and building the Server-Client protocol.

## 20th August 2024

I began drafting the Team Contract after researching and reviewing several examples I found online. This being my first experience both writing and reading a contract, I initially encountered some challenges. However, the reference contracts provided valuable guidance in structuring the document. After completing a draft, I handed it over to 康隽秀 for her review and editing, allowing her to refine and adjust the content as necessary to ensure it aligned with our team's expectations and project needs.

## 21st August 2024

Today, I was looking for basic data on IM by looking at other materials first to build the foundation for the Sever-Client protocol.

Through Celine in the classroom, she saw that she was trying to install and run Linux on her laptop.

First of all, I researched the data while maintaining the Window to find out the environment built in Java and C++.

Based on that investigation, I programmed the basic Sever-Client protocol, sent it to Celine, and received a brief consultation.

## 22nd August 2024

I tried to install a virtual machine on my laptop and Linux OS on that virtual machine after hearing from Celine that the program was built in Windows and was difficult to apply to Linux.

However, I had repeated problems running the OS, and in the end, I didn't get much results.

## 23rd August 2024

康隽秀 shared the GitHub repository with me, adding me as a collaborator. After reviewing the client-server protocol with my team members to ensure everything was in order, I uploaded the finalized code to the repository. Following this, as the group leader, 康隽秀 took the responsibility of submitting our work by sending both the repository link and a zip file containing the project to the teacher for evaluation.

## 26th August 2024

In the team meeting to prepare for the second deadline, we had a meeting to distribute the roles again. Here, I heard about Celine's overall preparation and difficulties, and I was in charge of making plans with Hadiah for the test report and report in preparation for the next part.

## 29th August 2024

During class, we discussed the third project deadline, scheduled for the 19th of September, and divided the remaining tasks. I was assigned to handle the testing phase and prepare the corresponding testing report.

## 30th August 2024

I was refining my testing strategy, collecting data for the final test report, and analyzing why running a virtual machine failed.

## 2nd September 2024

To conclude that Ubuntu is currently difficult to use and to test, I decided to use WSL, which allows me to use the Lennox environment in Windows, to have minimal environment.

## 16th September 2024

Based on WSL, we succeeded in improving the Linux environment. Based on this, we succeeded in testing the code Celine sent us, and we were able to complete the final test.

## 17th September 2024

I've finished writing the individual activity report and the final report. I've summarized what I've been collecting in the document and put it in a test report, and I've succeeded in finishing this project with all the important things from start to finish.