**Work history**

March 5-12

We formed a group of 6 people in the class, and after our group had problems with the problems around us, many of the students in our school had purchased the items and only used them a few times, which was wasteful; they were Customer Statement of Requirements, and after discussion Determined the direction of the project and proposed solution, established a campus rental platform, so that students can rent items with each other; at the same time, in order to make our project better, we have developed a general work plan. Completed the Project Proposal section.

March 16-April 1

In order to make our software more marketable, we imagine ourselves as customers and write down our problem statements, give some suggestions, and develop customer requirements specifications and System Requirements; in order to avoid ambiguity in the system specifications, we use the language of the application domain. And provided some graphics to help understand; we wrote a story to give functional requirements from the customer's side; based on the story we wrote, we created a use case diagram with the corresponding requirements for the use case; and we preliminarily designed the user interface. Completed the Report One section

April 6-18

In order to explain our products more vividly, we have created UML interactive diagrams, introduced product usage scenarios, and is product visualization. And complete the catalog production of the report, and some glossary, and for the completed project, add project management and team task assignment map to the report. Completed Report 2 part 1

April 19-28

We started our software development. We first made a class diagram and a traceability matrix for each data type that specifies all attributes and operation signatures and Class Diagram and Interface Specification. For the product architectural style and User Interface Design and Implementation, the software hardware determines, and the database is Algorithms and Data Structures; and roughly complete the software development work and Design of Tests; the responsibility breakdown of the entire team, and the work plan; and a detailed description of the references in the project. Complete Report 2 part 2

April 30- May 7

The group distributes the lecture tasks, explains the specific operations of the software, and explains the use cases used to create a demonstration ppt.

After completing the presentation, we made improvements based on the suggestions made by the teacher and the problems found in the test.

May 22 -May 31

We have modified the previous system architecture and system design, algorithms and data structures, user interface design and implementation, and we also used workload estimates using use case points.

Outlines the work of our team members. We also prepared a second demo based on the teacher's class requirements. We prepared some other code that does not involve functions, and introduced our software to others in depth.

**Contrast plan**:

Most of the projects in our group are going smoothly. However, due to the reasons of our team members, the database development is difficult. We have overcome difficulties through online learning and consulting with students. Although we did not complete the scheduled time, we are in the project. The deadline is complete.

**Future work direction**:

Our team has completed the development of the project website. In the following days, we are going to develop the mobile terminal. Because there is a lot of time we can't carry the computer with us, so in order to make our software more market, we are ready to develop. Mobile, while developing Android and iOS systems