History of Work, Current Status, and Future Work

At the beginning of the term, we started to design a software about campus express cabinet. Firstly, we analyze the market demand and feasibility of express cabinet according to the real situation of campus daily life. Then, based on the interviews and questionnaires of college students and couriers, we found that the demand for courier cabinets is very high. We decided to start developing the "BOX (campus courier cabinet)" project. In the process of market demand analysis and investigation, we have completed the first task - Project Proposal.

Soon, we had our second task, Report One. After looking at the requirements of report one, we realized for the first time that it was not easy to implement the software. Our group began to carry out group discussion, division of labor in the library seminar room, and then completed their respective tasks. We discussed eight requirements realistically, and then summarized 16 use cases according to the requirements. According to these drawings, system diagrams, tracking matrices, use case diagrams, detailed descriptions of use cases and interface design are drawn.

Next, we started to work on the project code of express cabinet. At first, we simply implemented UC code for the user's main interface. But the computers of our team members can not connect to the database. This problem has been bothering us for a long time. After many attempts, we turned to other students with high computer level. Through the joint efforts of the team members, we finally completed the Chinese version of the express cabinet project framework and code, and connected to the database.

With nearly a month of code implementation, we completed report two. Interaction diagrams and class diagrams have been drawn, and some data structures and system architectures have been completed. But we also found some problems through this code production. We deleted six use cases (registration, login, cancellation, payment, evaluation) because in the process of code implementation, we think that the routine means of registration, login and cancellation are too cumbersome, which makes it difficult to use the cabinet, and takes up too much memory space, but the actual effect of registration is not great, so we delete them. Express courier can directly use cabinet storage through unified certification. Users can inquire for the order by inputting mobile phone number, and quickly pick up the parts. This can give users a better sense of experience. At the same time, in order to adapt to the fast-paced campus life and learning, and more convenient for students to use, we decided to let the express cabinet provide services free of charge, while canceling the evaluation function, making the user experience more simple and direct.

After completing the above work, the express cabinet project has gradually become clear in the eyes of our team members. We started to optimize the details and modify the areas that had not been achieved or changed in the previous plan. At the same time, report three is completed. We also modified the software to English version.

So far, we have basically completed the production of campus express cabinet.

About the future of this system: because our current capabilities can not meet our assumptions, we will still work harder to learn relevant knowledge in the future, and apply it to this project, and finally achieve a nearly perfect and usable express cabinet system.