Individual Report

For me, this project has met my expectations and even exceeded them in some places. In this project, my main responsibilities are group leaders and programmers. This is a big challenge for me, but fortunately, we cooperate very well. This project has learned a lot of new things. At the beginning of the project, we organized a meeting to let everyone know each other, especially the skills that everyone is good at. This is very important. In fact, this also greatly helped me assign tasks later and ensured the rationality of task assignments. The key to defining group roles is also here. I locate group roles and responsibilities through skills. Since I am relatively good at programming, everyone agrees that I will be the group leader. Below I will use a table to describe the scope of each person's responsibilities.

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| Peng.Yu | Group leader  Programmer  Quality control | 5 |
| Yuexiang.Zhao | Programmer  Test  Quality control | 5 |
| Xuanche.Liu | Document writer  Diagram and graph build  Requirement analysis  Quality control | 5 |
| Xuanru.Liu | Document writer  Diagram and graph build  Requirement analysis  quality control | 5 |

For each of my team members, I will give my own evaluation performance. In fact, I think everyone deserves a rating of 5 because everyone works very hard. The success of this project is inseparable from everyone's work. I will describe each person's efforts and achievements one by one.

The first is Yuexiang.Zhao. As an important programmer in our project, he has given me a lot of cooperation and help. He has given me a lot of help in solving some programming bugs. Because our project framework or web page UI is constructed based on the template in practice, so we need to make a lot of changes to the web page. The HTML code analysis is done by Yuexiang.Zhao. With his help, I successfully constructed the web page according to the requirements and realized the function. In, the customer page on our webpage was also completed by him. I think he did a very good job. In the final quality control part, several iterations of our project were completed with the assistance of Yuexiang.Zhao, a very pragmatic member. So I give a five-point evaluation.

The second is the product manager of our group, Xuanche.Liu. Our team’s proposal and part 2 documents, as well as the final complete document, were written by him (Xuanru.Liu provided a lot of effective assistance), among which he and Xuanru.Liu built the ER model diagram together and hosted after analyzing the needs of the entire project, he also organized the design of the web UI. What I admire the most is that he described all the requirements with UML class diagrams and flowcharts, which is very important for my programming work. Arrived a lot of help. He also actively interacted with programmers during the construction of the project, followed up on the progress of the project at any time, and converted the teacher’s feedback into feasible suggestions to interact with me. I am very grateful to him for his hard work, so I give him a five-point evaluation.

The third is the tester and opinion provider of our group, Xuanru.Liu. She is also indispensable in this project. As the only girl in our group, she is always able to check the omissions well. Both in programming and in the construction of documents have put forward a lot of constructive suggestions, I have to say that her carefulness helped us avoid a lot of unnecessary risks. In programming, she performed tests to help us improve the constraint relationship of the database, verified no less than ten bugs, and made our project more reasonable. In the writing of the document, she assisted in the construction of the er model and the project process. Her monitoring corrected grammatical errors in the document, and the typesetting of the document was also done by her. I have to say that without her, our project would be very messy. Thanks again for her hard work, so I also give a five-point evaluation.

Finally, I evaluated myself. I think I allocated the tasks of the group reasonably, organized the group to conduct efficient meetings and discussions, actively promoted the project process, and completed the homepage code of the web UI and the code of the manage page, in the web and database a lot of time was spent on interaction, and many effective suggestions were provided in the design of the project, such as the design of cascading delete function and the construction of triggers. In the iteration of the project, more than three functional improvements have been completed. For myself, I have learned a lot about HTML and database construction. What makes me proud is that in the construction of the code, I put forward some opinions on the rationality of logic, and got everyone’s approval, for example. Speaking of the management interface, we should ensure that only stuff can operate on the page and that everyone cannot enter the management interface. Finally, I designed a password verification method. Only the correct password can be entered to enter the page to the database. Perform additions, deletions, and revisions. Of course, I am not perfect. I think my shortcoming is that it is difficult to implement some functions. For example, the implementation of triggers is still a bit far-fetched. I need more study to improve my knowledge of database.

I think my team members will recognize and affirm my work very much and praise my work. I am very confident that my work can be recognized by other members.

The time I spent on this project is about 100 hours because we will meet every week and will continue to advance the project offline, including the subsequent iterations, a total of about 100 hours plus.

I like the webpage design in this project the most. It is new to me. The code of a webpage is constructed and the database is linked. When the operation of the webpage affects the database, this makes me very excited and a sense of accomplishment, but I am not satisfied. It is the way to build web pages. Many ideas will be restricted for building web pages using HTML templates in python. Some of my ideas are often not realizable. Of course, this may be due to my programming skills that need to be improved. All in all, this project has taught me a lot about the structure and practical operation of the database, the function of python to build web pages, the basic structure of HTML code, the python implementation of SQL commands, the constraint relationship of primary keys and foreign keys in the database, and so on.

Finally, if I can change the organization of the project, I may focus more on the UI design of the webpage, because now the HTML technology is very mature, and there are many ways to build web pages simply so that many interesting webpage functions can be realized. The second is to change the purpose of the project, from an open topic to a project list, because it is really difficult to choose a topic. A mature database structure requires us to have a deep understanding of a certain industry, otherwise, all the structure is just the surface structure. The actual meaning is not strong, so a reasonable project introduction may help us build a better project.

The above is my personal understanding and experience. Thanks again to the teacher and the team members who worked hard together. It was a very pleasant project experience.