CS3343 Software Engineering Practice

Self-Assessment Report

Group 4

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Ng Chi Kin

I think this project can let me know how to use junit to test the system. Before the project, i just know system test, it means that all functions will be test once. After the project, i know the unit test, integration test. I know how to let these test work and use these testing to debug.

Also, i understand the time management after the project because we need to do the placement in this semester. We need to find the free time or after working in the placement to do this project. Therefore, we need to set all task deadline to finish the project and remark all task details like the development time. In the development time, we will point out the task or function we need to finish. It can easy to know which task or function we are not complete.

Moreover, i am project manager role in this project. This role let me know how to set the deadline or how to manage the team mate to do the project. We will discuss which team mate good at which function. Then we will assign the task to he/she.

Moreover, i know the version control is how important in the project because almost project is not a personal project. It need to finish from a team like us. It means that the team not only build by 1 person so if we can’t know the version by the development version. We will not build a good system.

Finally, i improve my management skill in the team, test skill and version control knowledge in this project.

Hugo

In this project, I was a software developer,. My major job was responsible for manager command actions. Honestly, I was forgot how to write a Java program during the development progress. I need to recap the my Java programming language. Fonturnally, our project topic wasn’t too difficult, I am able to finish the development progress according the project schedule.

In addition, my OO concept, programming skill and version control skill were improved. I was not familiar with controle tools (e.g github, bitbucket) when the project start, especially the merge branch function. I was no idea how to handle the files conflict when the branch merged. I always chosen my current version when files conflict, as the result, the program may has more errors and warnings appear. After this project, I learnt that how to handle file conflict when the merge branch which solve the problem with author. Also, I learnt that we need to make sure the code is latest version since there maybe lots of similar function done by other team member, as the result, it would accelerate the develop progress and time saving.

Conclusion, after this project, I enhance my program skill, version control skill and communication skill. Moreover, I know the different between bottom up and top down approach, when to use them and what benefit they have.

Tam Kwan Leong

In this project, I can practice what I have learned in CS3342 and CS3343 such as testing, coding and project management. I am a software tester in this project. In order to the pursuit of a higher coverage of the program. We use Bottom-Up Integration Testing. It is different from the practical Test and exam since it doesn't have a fixed framework to limit our thoughts. For example, It does not limit which type of integration Testing Approaches we use. We can choose according to our own project.

Before the coding and testing, we have conducted a meeting that to discuss our project detail such as project title, aims and schedule. It is very important for our project because It lays a good foundation for our future work. Moreover, it improves work efficiency since it provides a clear direction for us. We can concentrate on our work.

In addition, communication is an important part of the project. For example, we are using GitHub to combine our work. If a member updates a class and without contact with other members, it will cause code conflicts and affect project progress. Therefore, we will send a message in the WhatsApp group before the code uploading.

In summary, this project provides an opportunity to accumulate related experience and enhance testing skill and communication skill.

Renee Chan Ching Yi

I think this a good opportunity for me to implement the knowledge what I learned. Since I learned the basic knowledge of the system life cycle which includes planning, analysis, design, implementation, and maintenance.

In this project, it starts from the planning phase, and also it will go through all phases. It provides a chance for building communication with group mates. Thus, it makes me know about the power of teamwork. We don’t have any ideas what should we do. For solving this issue, we had held a meeting for discussing the project topic. After that, I prepare the project plan and set up the project schedule. In the project plan, I learned more about the work breakdown structure. Furthermore, I get more information about testing approaches. Therefore, I can select a more appropriated one for our project.

Leo, TSUI Ka Kin

To finish the project, there are too many technologies and skills, learned from this course, are used such as different design patterns and testing way. Before the project, I didn’t have any experience to work with teammate in programming group project, that makes me to become a challenge to do my works in the team. It is a good team to divide the job of each requirement and assign these tasks to suitable candidates. Also, there are some discussions for the development and testing to decide how to run better.

Also, there is some defect points in our group for example everyone’s got a lot of personality that made us to need too much time to decide a way of the task in the discussions, and the coding style of us are not equal so that to merge our code is too difficult. These points are needed to focus to improve the organizational cooperation for next group project. It should be a good experience to make me know how to become a good teammate in the future.

Finally, after the project, I had earnt too many things, which are not know before the project, such as communication for group project, testing skill and improvement of version controller.