CS3343 Self-Assessment Report

Reversi

**Summary**

Overall achievements

* Develop a runnable Reversi program
* Develop Single-player mode
* Develop Multi-player mode

**Contribution of each member**

- Project Management, Documentation

- Documentation, assist tester to create test cases

- Testing, creating test cases

- Coding

- Configuration Management, Documentation

**Reflection**

Wong Kai Hei

As a programmer in our group, my main responsibility is to put our groups’ “dream” into a “real product”. I remember when we first decided to create our own Reversi game, we were looking forward to the final product. Our tutor even said that it is just a piece of cake to create a Reversi Game with an AI. We all have a really great and fantastic dream.

When it comes to a real and practical situation, it is never that easy. I have a first-hand experience to collect user requirements (from group mates / course requirement), doing research on related topic (Detail rule of reversi / coding syntax), designing and implementing the program (), modifying the program (bug fixing / select feature to give up due to time limitation), documenting (explain the program to my group mate).

It is actually tough, if not impossible, to handle such jobs. I learnt to communicate with group mates as we might have different expectation and progress. As a team, we have to help each other’s. Time management is another big thing that I learn in this project. Not only do I need to arrange my personal time, but I must also consider the whole development progress. We cannot always have time and resources to make things perfect. The main point is to set priority to each tasks.

Tong Man Sui

Being an Assistant Project Manager, my job is mainly report to and assist the Project Manager. So, this position requires a strong communication skills and organizational skills. As the Project Manager has to deal with issues related to the whole project and makes decision about it. So, my role is to deal with the project details, communicate and coordinate with the team members.

The difficulties that I faced during the project must be the time management. As a student with placement, I devoted most of my time and energy to the task that given by the company. So, it is a bit tired when I get back to home. So, everything has to start as early as possible in order to reduce the chance for delaying.

After learning this course, I found that different position is also very crucial for a project development:

For the Project Manager, he is required to have a global view to the whole project, aware of the potential problems that may arise and to prepare for the future development.

For the programmer, he is the one that most familiar with the code of the project. Without this position, we can do nothing.

For the Configuration Manager, he has to coordinate with the programmer in order to keep track of the versions of documents and the java project.

For the Tester, he has to create test cases that meets the requirement of the project. After the programmer finished coding. He has to check whether the code can meet the requirements of the test cases.

Lin Cheng Han

In the beginning, I thought being a configuration manager is nothing more than urging my teammates to finish the coding work and recording different versions of code in a table. However, the more I devote myself in the project, the more I realize that how important configuration management is to software development.

To keep track of various versions and updates of software, I need to work close with the programmer. I have to make sure any updates in the any classes are marked down no matter how trivial they are. I also need to be well aware of [source code](http://searchsoa.techtarget.com/definition/source-code), documentation, problems, changes, and changes made.

I used to believe that configuration management is not really important because this was never my common practice when I was doing programming assignment alone. Nevertheless, this proved to be critical to any software development cycle. It’s my responsibility to ensure that the software is performing as intended. The documented updates also enable other teammates to look at the project as a whole and easily understand what improvements are implemented at each new release.

Apart from that, even I’m not taking part in the coding work, I still have to understand the principles behind them. That is because I must handle changes systematically and keep the integrity of the software. From that I realized even different roles in a team are dealing with distinct jobs, we are still interconnected and good communication will always be a valuable asset in a successful team.

Tsui Siu Hung

To be honest, I would thank Mr. Tong in providing vulnerable ideas on test case. Although the program’s logic is straight forward, it takes time for me to investigate how to organise the test case on completing the pre-condition, for example, I should first build an objects before trying to test for the function. It takes quite a long time to accomplish the task. Through the process, I have learnt a lot on constructing test case. From time to time, I would communicate to programmer on the failure test case and figure out the root cause of the failure. Through the time of developing, new features like AI had been added to the program that means I need to implement new test cases in order to have more coverage in the program. The whole group works closely and sometimes we share the workload of each other once the member is not available for certain of time.

Lau Cheuk Yin

This is my first time of being the project manager. In my opinion, project manager is the key of a success software project.

My responsibility is to apply knowledge, skills and techniques in order to execute projects effectively and efficiently. In this project, we only got five team members. Therefore I had to use our human resources efficiently. Each member had to take on multiple roles.

My first task is to develop a good project plan. It includes all our project goals, objectives and timelines of completion. Then we could follow the project plan and develop the Reversi program.

Limited time is the biggest challenge we faced. All our team members have to do placement job. We could only do the project at weekends. Thanks to my team members, though they already devoted much time and energy to their companies. They still tried their best to complete the project on time.