**City University of Hong Kong**

2017-2018 Semester A

CS3343 Software Engineering Practice

**Self-Assessment Report**

Maverick:

The Smart Trading Platform

Group 14

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**Khurana Dheeraj | 54227224**

My biggest takeaway from this course is how I was able to adapt and change my self-according to the team needs. As I believe in the end it’s not about your strengths but more about what your project team requires you to perform at certain times in the bigger picture.

One of the major highlights of this course would be when my project team really pulled a great job and came altogether when we got some constructive suggestions/feedback from the professor in areas to improve. All of us really pulled a great job, while believing in each other which I would say made me understand the importance of working together in team. Being the project manager, I not only got the change of seeing the bigger picture of the complete software project cycle, but I also got the opportunity to work with different team members in different tasks like development and testing.

Apart from this, I really enjoyed applying almost everything we learned during lectures in this course project. I believe the hands-on experience of applying concepts like bug reporting, code refracting and testing approaches etc. learned during lectures to the actual course project makes learning exponentially better.

**Singh Navwinder | 54395023**

During this semester, in this particular course, I had the chance to go through the full development cycle of a software project. It was a truly unique experience as I had not had the chance to go through an entire development cycle of a project from scratch. I think this will prepare me better for the various stages of software development that I encounter during my placement.

I mainly was responsible to code the program, I used the knowledge from my previous courses to write the program. Our group had decided to do an OnlineShop portal where users could buy and sell things from one another, something like eBay. Though we did end up making a mistake in our program as we missed on the backend computation. We were notified of this during our presentation and we immediately came up with a whole set of backend computation that the professor suggested us to do. It was a grind to code that in a short time span, but with everyone in the group putting an effort we managed to pull it off.

There was one main difficulty, which I am pretty sure all my group members will agree with, is that it was hard to find time to sit down and discuss the project as we all had placements, leaving us with little time in the week to discuss with one another. Surely, online platforms for communication and sharing our work made our lives a lot easier. Overall, I enjoyed doing the project and am pretty satisfied with the outcome.

**Pang TSZ HO | 54387730**

The project not only provide me a chance to apply the design principles, design patterns, diagrams, testing and debugging technique I learnt throughout the lectures, but also grant me a chance to experience the software design and development process in person. Working in a team environment allows me to learn from my teammates and learn how to collaborate and communicate with others.

Throughout the whole project, our team were interrupted by several challenges that emerged. When we are working on the development of the program, we realize that we may have misunderstand some of the requirements which lead to a delay in the project schedule. Another challenge that we face is the busy schedule we have due to being a placement student which reduces the time we can focus on the project.

In the end, the team was able to overcome all the challenges and deliver the finished project successfully.

As a Testing Engineer of the team, if I have more time, I would definitely slow down the testing process. As a Chinese adage says “patient work makes a fine product.”, slowing down the testing process will allow me to polish the edges in our program. The valuable experience I gained throughout the whole project will surely benefit my future career.

**Bilo Matthew Paolo Solmiano | 54387858**

In this project, I was the configuration manager. I was mainly responsible for making sure the performance, the functional and non-functional requirements, the design and the operation information of our software was consistent throughout the whole development process.

This course really helped me to familiarize myself with what tools were needed during software development and as a configuration manager, one of my jobs was to make sure that the tools we were using during stages like testing were consistent throughout the whole duration of the project. Before this project, I was never concerned about consistency in things like tools because I would always be working on individual projects. But after this project, I really learned the importance of consistency in a team setting because by being consistent, the project can go more smoothly and more efficient.

All in all, I am pleased with how our team worked on this project, in spite of us having busy schedules during our placement work. We were able to do our tasks on time and were able to collaborate effectively. This project helped me learn more about working with a team in a software development setting, especially consistency, and this knowledge will definitely help me in my future workplace.

**SINGH Ravinder Singh | 54390586**

In this project I was given the role of an Assistant Project Manager. This provided me a good opportunity to monitor the overall progress of a “Computer Science” Project. Unlike other projects we have for other courses, this one was very different. I could feel the responsibility I have and what I need to do to keep up the progress and get the project done in time. This was a bit tough because all the members are placement students, so it was difficult to get times for meetings.

As a project assistant, I helped out in almost every stage of the project, so I could both contribute to the project as well as monitor whether we are on track. So we first worked out the specifications of the product we desire to create in this project and we divided our work. To keep everyone engaged in the project at all stages, we had a cycle of steps with repetition which I believe is applicable to most software development projects. So this cycle is started by the predefined specifications, which is followed by coding, which then is tested, and refactored if possible. And if some bugs are found during the testing phase, they were reported and the code was revised. Otherwise, we moved on to code the next task. And the cycle repeats.

So overall in this course, I learnt a lot of new techniques especially for testing and bug reporting, because it was not covered in my previous courses. And having this stage made it more realistic to experience how it is to develop a software in the work industry. Although, we came to realize towards the end that we did not cover much computation wise, but then fortunately for our product it was slightly easy for us to add more without changing much of the original product. But we did have to allocate more time to get it done.

Being a placement student myself, I think it better prepared me for this project and vice versa. Because every day for the placement job, we develop systems/applications. And similarly, it that we had to go through all the phases which are found in this project as well. And one of the most important and can easily be mismanaged is the time and work allocation. But I believe that as we all experience it in our placement jobs, we handled this project with same seriousness and desire to deliver our planned product. I enjoyed working with my team and I am glad and satisfied with the hard work my teammates put into this project.