

Personal Reflections

I found just like the topic said from the several weeks practice I became much more like a real engineer in programming. By applying PSP in the two program I have finished I found the project quality is increased and so does the project efficiency. What an real engineer like is just finished the project quickly and have a good quality.

So far I have learn this course for 3 weeks and PSP is so hard for me at the first time. I have no idea what the log is use for and why we need to do such a useless thing. After finished 2 program, I have realize that PSP really works and helps me a lot. What I learn from PSP is it helps me improve my program quality and decrease the time I using in programing.

Why the quality improve is that after each time I write a Defect Log I learn from what did wrong and it significantly decrease the chance that I will make it again. Another important thing is that I have time to plan how to do the program. In plan phase I will read the requirement carefully to know what exactly I need to program. In program01, I just skip reading carefully and using my own thinking about how to do it. I miss a lot of requirement and use much more time to fix that. I have program 3 times to fix the mistake I made. But in program02 I just program only once to fulfill all the requirement. And the program just have 2 Defect Log, the whole quality is improving quickly.

The efficiency is also improved. Program01 should takes me less than 3 hours but at last it takes me more than 12 hours to do that and all this due to I have no idea about what PSP is. When it comes to Program02, it became much better. I just spend less than 7 hours to do that. Even though it is still a long time, but this time the work is much more efficient than before.

After all this I also find that I have a clear idea about how long it will takes when I see one project. I will first analysis how difficult the project is, what the size of the project, how much time I will spend on each phase, how many classes I need to write, what the structure of the whole program, what the algorithm is, and how much time I need to implement the algorithm.

PSP help me to evaluate the work I did and give me a clear idea how much power I got in programming. I can see I will become more and more like a professional software engineer in the future.