PSP Process Improvement Proposal (PIP)

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| Student | Felipe Marin | Date | 03/03/16 |
| Program | LOCCounter | Program # | 2 |
| Instructor | Juan Carlos Marin | Language | JAVA |

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| Problem Description |
| Briefly describe the problems that you encountered. |
| When I started developing the program, I had in my mind for it to be a simple program with no user interface and that it only would do the logic and that's it, so one of the problems that I found was that sometimes I don't plan things thoughtfully, and that's a big part when we want a good level of quality.  Another thing that got my attention is that sometimes, due to the previous reason, I tend to write methods that do more than 1 thing. For example, I wrote a method that was counting the lines of code and methods at the same time. |
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| Proposal Description |
| Briefly describe the process improvements that you propose. |
| I have to improve the planning phase because it's the phase that triggers the injection of almost all the defects of the following phases. I have to spend more time on that phase. I tend to rush to the design and coding phase and that is what makes me inject most of the defects, for example: in first instance, it made me write the code only with the logic and no user interface, and then it made me write methods that do multiple taks.  TDD helps to avoid some of the defect injection because when you go to write the code that makes the tests pass, you have a better understanding of the logic and what or what not makes the test pass or fail. It's kind of a previous bug collection. |
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| Other Notes and Comments |
| Note any other comments or observations that describe your experiences or improvement ideas. |
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