Chapter 16. Code Reviews

**Three Things I learned today**

1. **Before** - When I write small programs I tend not to put comments as they are short and easy to understand and only put comments to programs that are several lines long.

**After** - It’s not enough that you understand the code no matter if it’s only a small line of code, it should explain itself so that other programmers understand it aswell.

1. **Before** - Whenever I wrote comments, its only for myself so that I can easily navigate and remember what those code I made are supposed to do, I rarely consider those that might read my code.

**After** - Comments are necessary, it explains what the code is supposed to be doing and not follow the old saying that if the code is hard to write then it should be hard to read, this will be harmful to anyone that reads the code.

1. **Before** - The way I write comments are usually scattered to random places and the comments are usually broad and not very detail since I understand it on my own.

**After** - make sure that comments clarify the code well with relevant and detailed explanation of what that code is going to accomplish, header comments explains overall idea of the code and inline comments explain details of the code.

Chapter 17. Comment Only What the Code Cannot Say

**Three Things I learned today**

1. **Before** - I never realized the problem that an incorrect comment can cause to the project and to other programmers that reads the code.

**After** - Codes that are incorrect will be known and corrected by automatic tools, comments however will stay the same and will cause misinformation, distraction and confusion to those that’s reads the code.

1. **Before** - I didn’t realized that comments that generally has no value and adds no value can make programmers ignore the entire comments in the code.

**After** - Produce comments that has and adds value otherwise programmers that read your code will be forced no to trust those comments and ignore them.

1. **Before** - When writing comments, programmers should make sure that those comments has value and is useful by only writing comments that the code lacks to explain.

**After** - Comment that has value are those that answers what the code cannot say and what it cannot say, it should complete what the code lacks in explanation.