Software Engineering

SE Tools Exercises

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* Project Description

2021-1 Object-oriented Programming Term Project (reused for this assignment)

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| IDE | Eclipse |
| Programming Language | Java |

GitHub Repository: <https://github.com/2022-Software-Engineering-Team-5/software-engineering-tools-exercises>

* Source Code (some part of the project: StudyRoom.java, Room.java, Person.java)

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* SE Tools [1] Configuration management - Git
* SE Tools [2] Documentation generator – Javadoc
* Discussion

Since the Git is a tool that is widely used in the filed, we could see in detail how to use Git in collaboration through this assignment. It can certainly feel difficult, complicated, and scary for the first time, but by using the Git ourselves, we felt it was much more efficient than exchanging the project file itself.

In particular, when collaborating with others using Git, we were able to use Javadoc as well as commit messages to indicate the role of each class or method. In addition to using one of the SE Tools, Git, to see what each other implemented, Javadoc also realized that it was important tool to improve understanding of the project. When writing Javadoc, we thought about how other team emembers could better understand it, and we found that the method of creating Javadoc was slightly different depending on the IDE used. Of course, the use of /\*\* \*/ comment was the same, but the method of creating HTML file format was slightly different (depending on the IDE used. for example, Android Studio and Eclipse).

In this assignment, we learned that SE tools are much more helpful in software development by encounting SE Tools (Git and Javadoc). We will try to develop easier, cleaner and safer by looking for and applying useful tools in future developments.