

Coding Style for Team D2:

Members of our Software Development Team:

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Our team has decided to follow the Google coding style guidelines, with several minor revisions. After careful consideration of both Oracle and Google's coding style, the choice was made to conform to Google. There were several reasons for this decision. Firstly, Google is a highly successful company with thousands of employees around the world, and their coding style has proven to be effective amongst varying sizes of software development teams. It is extensive in its review of style, making it highly readable. Additionally, it is well structured, all encompassing in its definitions, and easy to conform to as a programmer. The reason for our revisions is that Google is a much larger organization which must account for cross-platform usage and varying development environments. Our changes are inspired by the fact that our team will be using the same development environment and working on a much smaller scale.

The revisions are as follows: In section 2.3.3, we clarify that we will not be using any non-ASCII characters over the course of our development. It is reasonable for a sizable organization like Google to specify use of other character formats, but our system will use exclusively ASCII characters. In section 4.1.2, we add an empty line between all function headers and their bodies, and another empty line before and after each logical block. This decision was motivated by the collective opinion of our software development team that empty lines in strategic places aid in readability and code esthetic. Also from section 4.1.2, all `@Override` directives will be placed on a separate line above the function definition. In section 4.2, modifications were made to indentation style, to include 4 spaces instead of 2 to allow for greater readability.

Below is the altered code from section 4.1.2 which demonstrates our changes to Google's style guide.

```
return () -> {

    while (condition()) {
        method();
    }

};

return new MyClass() {

    @Override
    public void method() {

        if (condition()) {
            try {
                something();
            }
            catch (ProblemException e) {
                recover();
            }
        }
        else if (otherCondition()) {
            somethingElse();
        }
        else {
            lastThing();
        }

    }

};
```

All information regarding the Google style guide, including the original example code above, was found on the following website:

<https://google.github.io/styleguide/javaguide.html>