

Code style guidelines

In general, follow the Google Java Style Guide as set out on GitHub at this URL:

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

The exception is that you are not expected to document the code. Helpful one-line comments are fine.

Also, you are not expected to use annotations.

The following are rules that **MUST** be enforced.

All class, variable, and method names should be meaningful. E.g. for a method that lists books, the name should be `listBooks()`, rather than `lbk()`.

Class, variable, and method names should not use abbreviations, except for common acronyms (e.g. `html` rather than `HyperText Markup Language`)

Class names should start with a capital and use CamelBack.

Variable names should be nouns or noun phrases, start with a lower case letter and use camelBack.

Method names should be verbs or verb phrases, start with a lower case letter and use CamelBack.

Indentation increments should be 4 characters.

All variables and operators **MUST** be separated by white space. E.g.:

Not:

```
a=b+c+d;
```

Rather:

```
a = b + c + d;
```

Anywhere curly brackets **MAY** be used, they **MUST** be used. E.g.:

Not:

```
if (condition)
    some single line of optional code;
further non optional code;
```

Rather:

```
if (condition) {
    some single line of optional code;
}
further non optional code;
```

Random rules that must also be enforced:

There should be no method calls within argument lists of any method calls.

No calculations within Boolean expressions

No negated Boolean variable names or negated Boolean methods. E.g. 'isError' rather than 'isNoError'.

Singletons should return their sole instance through a method called getInstance()

All class and method declarations should be separated from the previous block of code by 2 space lines.