

Coding Standards

1 Introduction

This document serves as the definition for team Tardis of CSCD 350 Spring 2015's coding standards for source code in the Java™ Programming Language. Many of the definitions were borrowed from [Google's Java Style](#).

2 Formatting

2.1 Braces

Braces follow the "Allman style" where the brace is on the next line, indented to the same level as the control statement. Statements within the braces are indented to the next level.

2.2 Whitespaces

A single blank line appears:

1. *Between* consecutive members (or initializers) of a class: fields, constructors, methods, nested classes, static initializers, instance initializers.
2. Within method bodies, as needed to create *logical groupings* of statements.
3. *Optionally* before the first member or after the last member of the class (neither encouraged nor discouraged).

Multiple consecutive blank lines are permitted, but never required (or encouraged).

2.3 Block indentation

Each time a new block or block-like construct is opened, the indent increases by two spaces. When the block ends, the indent returns to the previous indent level. The indent level applies to both code and comments throughout the block.

3 Naming

3.1 Package names

Package names are all lowercase with consecutive words simply concatenated together.

3.2 Class names

Class names are written in UpperCamelCase. If the class is abstract the class name has A_ as a prefix. If the class is an interface the class name has I_ as a prefix.

3.3 Method names

Method names are written in lowerCamelCase.

3.4 Constant names

Constant names use all uppercase letters, with words separated by underscores.

3.5 Non-constant field names

Non-constant field names are written in lowerCamelCase with an underscore as a prefix. For example, `_computedValues` or `_index`.

3.6 Parameter names

Parameter names are written in lowerCamelCase.

3.7 Local variable names

Local variable names are written in lowerCamelCase, and can be abbreviated more liberally than other types of names.