

Coding Convention	Directives	Samples
File Names	Files suffixes include .class,.java,. map,. cards , .xml, .md,yml, .project,.classpath ,.gitignore Frequently used file names include Command,Model,Vlew	CommandController.java PhaseView.java EditMapCommand.java GameModel.java
indentation	Use Eclipse or IntelliJ IDEA Formatter for Indentations.	<pre>for (CommandType commandType : values()) { if (commandType.name.equals(na me)) { return commandType; } }</pre>
Comments	Eliminate extra comments that are describing the code and only add code when there is the need to single out a specific necessity.	// sort by the first column tt.setSort(0);
Declarations	initialize local variables where they're declared. Put declarations only at the beginning of blocks Avoid local declarations that hide declarations at higher levels	<pre>private String format(String[] columnNames, Object[][] data) { TextTable tt = new TextTable(columnNames, data); tt.setAddRowNumbering(false); // sort by the first column tt.setSort(0); return getTTString(tt, 0); }</pre>
Statements	Each line should contain at most one statement. A <code>return</code> statement with a value should not use parentheses unless they make the return value more obvious <code>if</code> statements always use braces, { }	<pre>argv++; // Correct argc--; // Correct argv++; argc--; // AVOID! return (size ? size : defaultSize); if (condition) //AVOID! THIS OMITS THE BRACES {}! statement;</pre>
White Space	Use Eclipse or IntelliJ IDEA Formatter to put a limit for the white blank lines and blank spaces.	<pre>ArrayList<String> columns = new ArrayList<>(); columns.add("Country"); if (type == FormatType.Detail) { columns.add("Armies"); columns.add("Owner"); }</pre>

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Naming Conventions	<p>Packages:</p> <p>The prefix of a unique package name is always written in all-lowercase ASCII letters and should be one of the top-level domain names, currently com, edu, gov, mil, net, org, or one of the English two-letter codes identifying countries as specified in ISO Standard 3166, 1981.</p>	<pre>ca.concordia.encs.conquerdia.controller.command</pre>
	<p>Classes:</p> <p>Class names should be nouns, in mixed case with the first letter of each internal word capitalized.</p>	<pre>class AbstractCommand class EditCountryCommand</pre>
	<p>Interfaces</p> <p>Interface names should be capitalized like class names.</p>	<pre>interface Command</pre>
	<p>Methods</p> <p>Methods should be verbs, in mixed case with the first letter lowercase, with the first letter of each internal word capitalized.</p>	<pre>protected String getCommandHelpMessage() { return COMMAND_HELP_MSG; }</pre>
	<p>Variables</p> <p>Except for variables, all instance, class, and class constants are in mixed case with a lowercase first letter.</p> <p>Variable names should be short yet meaningful.</p>	<pre>CountryRow countryRow; String cardType;</pre>
	<p>Constants</p> <p>The names of variables declared class constants and of ANSI constants should be all uppercase with words separated by underscores ("_").</p>	<pre>EDIT_CONTINENT POPULATE_COUNTRIES COMMAND_HELP_MSG</pre>