

- Coding Style

View Code Style

11 min
- Reading: Tabs vs. Spaces

7 min
- Reading: Bad Coding Standards

5 min
- View Code Style Examples

5 min
- Discussion Prompt: What is good style?

15 min
- Peer-graded Assignment: Code Style

15 min
- Review Your Peers' Code Style
- Debugging and Static Analysis
- Comments and Self-Documentation
- Version Control and Build Process
- Quiz: Quality in Implementation

Peer-graded Assignment: Code Style

Instructions My submission Discussions

Your fellow learner has submitted their assignment anonymously and your review will be anonymous to them. All names are left visible to course instructors

Week 3 - Code Style

by Anonymous Learner  
March 21, 2022

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PROMPT	RUBRIC
<p>Select three items of the style guide that you agree with and, for each, explain why. If there are not enough items you agree with, give your best estimation as to the reason behind the selection (in your own words) and the benefits it provides. Note: "There is no reason" and "There are no benefits" are not acceptable answers here.</p> <p>1. Item 1 - Class names are capitalized while object names are not. For example: "Widget" vs "my_widget"</p> <p>This style is very good for time saving. Most of the time, people do not want to spend time thinking of a specific name for a new object, so they will just use the name of the class. This style helps avoid the confusion.</p> <p>2. Item 2 - Member variables start with an underscore while input parameters do not. For example: "_length" vs "length".</p> <p>3. Item 3 - Indent once per nesting level</p> <p>This helps finding bugs and keeping tracks of the code much easier for complicated codes</p>	<p>Agreement #1: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #1: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #1: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #1: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #1: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #2: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #2: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #2: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #2: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #2: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #3: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #3: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #3: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #3: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Agreement #3: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p>

PROMPT	RUBRIC
<p>Select three items of the style guide that you do not agree with and, for each, explain why. If there are not enough items you disagree with, give your best estimation as to why someone might disagree and what possible downside there is to using it.</p> <p>1. Placement of braces - K&amp;R, having no braces for the single line clauses.</p> <p>Personally, I have many times found using no braces for single line clauses can cause difficulties in debugging.</p> <p>2. Placement of braces - Allman</p> <p>This might be too time consuming for some people, when they have to go to a new line for just one brace.</p> <p>3. Using spaces for indentation</p> <p>People can easily mistake "space" when they do not mean to. It's more difficult to track down a mispyped "space" than a mispyped tab since a tab is much easier to detect.</p>	<p>Disagreement #1: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #1: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #1: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #1: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #1: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #2: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #2: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #2: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #2: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #2: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #3: Is the item applicable and existing in the style guide?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #3: Are there two reasonable perspectives on this item?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #3: Is the justification reasonable?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #3: Is the justification clear?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p> <p>Disagreement #3: Is the justification well-written (grammar/spelling)?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 1 pt Yes</p>

OVERALL ASSIGNMENT RUBRIC
<p>Is the style guide from a reputable source?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 10 pts Yes</p> <p>Is the style guide accessible online?</p> <p><input type="radio"/> 0 pts No</p> <p><input type="radio"/> 10 pts Yes</p>