

Code Style

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COMMENTS

- Comment all methods with Doxygen style comments
 - @brief on first line(s), then blank line, then remaining @ tags on subsequent lines
- Add // comments as necessary to clarify meaning of code sections; prefer meaning to be clarified by variable/field/method/class names
 - // comments begin with //, then a space, then the comment
- Add /* */ style comment at the beginning of each document with names, class project, and last edited date, along with a brief description of the file.

INDENTATION

- Indent using tabs (equivalent to 4 spaces)

LINES/SPLITTING

- Open braces '{' on same horizontal level as closing brace '}'
- In connect calls, put parameters 1 and 2 on the initial line, and parameters 3 and 4 on the following line, aligned to the beginning of parameter 1
- If the body of a code block (loop, if/else if/else statement) is only one line, leave out curly braces

NAMING

- nameMethodsLikeThis
- nameFieldsLikeThis
- NameClassesLikeThis
- NAME_CONSTANTS_LIKE_THIS
- Format include guards as CLASSNAMEINALLCAPS_H

WHITESPACE

- Add whitespace as necessary to help distinguish separate processes within a method
- Separate methods with 1 blank line
- Beginning of file: File header comment → 2 blank lines → include guard, if necessary → 1 blank line, if include guard used → include statements → 1 blank line → using statements → 2 blank lines → beginning of namespace/class/methods
- End of file: Last curly brace → 1 blank line → end of include guard, if necessary → 1 blank line, if using include guard

OTHER

- Never use “std::” inline, always move to a using statement at the top of the file

POINTERS

- When declaring a pointer, format as “typeName* pointerName”