# **Code Review Checklist**

## Style & Appearance:

* Is the code tabbed well?
* Are curly braces used in a consistent style?
* Identifiers:
  + Are names meaningful?
  + Are variable names in camelNotation (lowercase initial)?
  + Are class names in CamelNotation (capital initial)?
  + Are any constants in ALLCAPS?
* Comments:
  + Are comments used to explain difficult segments of code?
  + Are comments provided at the top to identify author and date?
  + Are comments brief and to the point?
  + Is every comment necessary?
* Advanced:
  + Is there any redundant or duplicate code?
  + Is the code as modular as possible? Are tasks broken down into methods when possible?
  + Can any global variables be replaced (using parameters instead)?
  + Do loops have a set length and correct termination conditions?
  + Can any of the code be replaced with library functions?
  + Can any logging or debugging code be removed?
    - Example: extra System.out.println lines

## Functionality:

* Does the code perform correctly?
  + Regular cases
  + Corner cases
  + Invalid cases
* Are directions to user clear and explicit?
  + When asking for input, is the type and purpose of each input clear?
  + When providing output, is the meaning of values (including units as applicable) explained

Some questions were taken from

https://blog.fogcreek.com/increase-defect-detection-with-our-code-review-checklist-example/