Style Guide: Team G

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**Guiding Principles:**

1. Code should be written for the reader, not the person writing the code
2. Consistency

**Naming:**

* Naming Methods
  + Descriptive names
  + Is - boolean
  + Get - getters
  + Set - setters
  + Create - initialization
* Naming Files and Classes
  + Descriptively
  + Camel Case
  + If it is a class, name the file the class name

**Comments**:

* Documentation
  + README when necessary but mainly just use clear file names
  + Docstring documentation (Google-style - a brief description, input, return)
* End of Line Comments
  + Default: no line comments
  + To-do comments/print statements to test output allowed (sparingly)
* Multi-line Comments
  + (Google-style - a brief description, input, return)

**Organization & Structure:**

* Class file structure
  + One separate Python file for each class
* Spacing
  + Tabs == 4 spaces
* Iteration style
  + Default: counted loops
  + “For item in collection” allowed for special situations
* Method Order
  + The more basic ones at the top, more complex ones at the bottom
  + getters first, and then setters
* Whitespace
  + One space between each method

Ex. function 1

function 2

* + --------------(section header)-------------- before each section
  + Ex. ---------------getterFunctions--------------- (Leave a space after this header)