Style Guide for COMSC 111

1. Identifiers
   a. Capitalize class names
      i. Examples: `Sphere, Stack`
   b. Make variable names lower case
      i. Examples: `radius, volume, a, b`
   c. Make method names lower case
      i. Examples: `main, pop`
   d. Capitalize first letter of second word for classes, variables, and methods
      i. Examples: `CapitalQuiz, surfaceArea, getQuizData`
   e. Make constants all caps with words separated by _
      i. Examples: `PI, MAX_VALUE`

2. Code Block Alignment
   a. Align all code with-in a code block
   b. Choose either end-of-line or next-line style and be consistent
      i. Examples:
```java
public class HelloClassAlternateStyle
{
   public static void main(String[] args)
   {
      System.out.println("Hello!");
      System.out.println("Welcome to COMSC 111");
   }
}
```

or

```java
public class HelloClass{
   public static void main(String[] args){
      System.out.println("Hello!");
      System.out.println("Welcome to COMSC 111");
   }
}
```
   c. Align } with either the { (next-line style) or the first letter of the line with the { (end-of-line style) – see above examples

3. Comments
   a. Put a header comment in each file that contains, at minimum, your name and the date the file was created
      i. Examples:
```java
//********************
//CapitalQuiz.java
//
//Author: Sonya Cates
//Date: Jan, 8 2016
//Instructor: Dr. Cates
```

```
//Class: COMSC 111 Lab
//
//Purpose: Quiz the user on state or country capitals.
//*********************
```

or

```
/****************************
* Name: Sonya Cates
* Date: 1-8-2016
****************************/
```

or

```
/**
 * @author Sonya Cates <scates@rwu.edu>
 * @date Jan 8, 2016
 *
 */
```

b. Put a Javadoc comment before each class and each method
   i. Example:

```
…
/**Determines whether a given year is a leap year*/
public class LeapYear
{
    /** Reads in a year from the user, determines if it
    is a leap year, and displays the result */
    public static void main(String[] args)
    {
…
```

c. Use either block comments or in-line comments to introduce major steps
d. Use either block comments or in-line comments to explain anything that might be confusing