# Java II – Java I Topics Review Lab

# Summary

The goal of this lab is to refresh some of the skills you learned in Java I, and also get you reacquainted with the IDE you choose to work with.

Specific review objectives for this lab include:

1. Basic Java syntax, code formatting, and other Java basics…
2. Basic class construction – constructors, encapsulation, and etc
3. Utilizing primitives, objects, arrays, methods, conditionals, loops, and other fundamental Java constructs
4. Utilizing the Java API, Java Doc, and a UML class diagram
5. Testing your code

You should recall using the String class from Java I. You will be creating your own custom version of the String class, and also a class to test your String class.

# Lab

Use the supplied Class diagram on the following page and Java doc to build CustomString.java. Create a class to test your CustomString.java class called CustomStringTester.java. Get in the habit of writing small bits of code (methods) and testing them immediately.

Also, don’t necessarily create each method in CustomString in the order given in the documentation. Use methods you have already created to simplify creating other methods.

Additionally, attempt the replace(…) method after you have completed the other methods. This method is more difficult than the others. I won’t take points off if your replace method does not work perfectly, but an attempt should be made.

