**CIS163 Lab 3**

**Purpose of this lab:**

**“Help with view and some model work for Project 2**

**Completing all requirements for Project 1”**

**Preparation:**

Attend class and read Chapter 6 and 7

**Objectives** (after completing the lab you will be able to do:)

* Understand how to use enumerated types
* Have a better understanding of Project 2 requirements
* Getting started on Project 2
* Having project 1 ready for presentation (next lab time).
  + JSG
  + JUnits testing completed.
  + Printed copy of rubric

**Activities:**

1. Open your IntelliJ IDE and load in your project 1.
2. Have the instructor verify all the following are ready for project 1 presentation before preceding to the next step.
   1. Have a printed copy of the rubric for project 1.
   2. Have a printed copy of the GeoCountDownTimer and GeoCountDownTimerTest classes.
   3. Have 100% coverage of GeoCountDownTimer when executing GeoCountDownTimerTest.
   4. Having an excellent set of Junit test cases (around > 70 test cases)
   5. GeoCountDownTimer class has been commented using the JSG
   6. A single comment line for each test cases.
3. Log on to BB and download the zip file contained in lab 3 folder.
   1. Unzip the file and install the files for project 2.
4. Execute the program given to you.
5. Do the following ToDos to help you better understand project 2.
   1. Are your icons show up on **your** computer?
      1. If not, then fix this issue.
   2. Make the board size 10 X 10, 10 rows by 10 cols. (currently 3 x 3)
   3. Currently the player X wins, with a Horizonal win.
      1. Your task is to make O win Horizonal
      2. Your task is to make X win Vertical
      3. Your task is to make O win Vertical
   4. Display a JOptionPane message asking for the size of the board
   5. Display a JOPtionPane message asking for the number of connections to win.
      1. Goto step c.