**ITSE 2359 Advanced Computer Programming**

**Unit 3 – Advanced Topics in Python Programming**

**Project 5.8 Python – GUI Application**

**Using Assignment 5.8 as a guide:**

**Name the project: FirstInitialLastNamePyProject5\_8**

**Create a new Python project in Visual Studio**

**In code:**

* **Import Tkinter**
* **Create the Tkinter object**
* **Set the object size to 640 x 480**
* **Create a font style of your own choice and size**
* **Create a label example with the text “The system is idle.”**
* **Create a virtual image 1 pixel width x 1 pixel height**
* **Use the pack attribute to add the label example to the application window**
* **Create a button with the text “System On” with a height of 100 and a width of 200**
* **Use the place attribute to set this button at an x value of 100 and a y value of 400**
* **Create a button with the text “System Off” with a height of 100 and a width of 200**
* **Use the place attribute to set this button at an x value of 340 and a y value of 400**
* **Create an Exit button**
* **Use the pack attribute to add the exit button to the application window**
* **Create a SystemOn method that change the label example text to “System Running.”**
* **Use the command attribute to bind the system on button to the SystemOn method**
* **Create a SystemOff method that change the label example text to “System Off.”**
* **Use the command attribute to bind the system off button to the SystemOff method**

**Zip the folder with the assignment folder and submit via Moodle by the due date.**

**Assignment Submission:**

**The Project folder will be .Zipped**

**The .Zip file will be named FirstInitialLastNameCPPProject5\_8.zip (-10 if not correct)**

**The .Zip file will be moved to the student's Google Drive**

**The student will share the file with the instructor through Google Drive**

**The student will submit a working link (not just plain text) to Moodle using the assignment's submission area.**

**If the file cannot be downloaded, it cannot be graded. A grade of zero (0) will be given.**

**Check your links.**