Lab #08 PLC & HMI HMI Programming JD Jones

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Point Value = 100 points

In this lab you will be creating buttons and lights on the HMI screen.

1. You need to establish communication to the HMI.
   1. RS Linx
   2. Adding the PLC to the HMI program for communication
2. Create at least 2 push buttons and 1 light.
   1. Change the colors of both states
   2. Change the text for both states
   3. Change the shape
   4. Do something creative, for example transparency, image etc.
3. Create a sealed circuit in the PLC program.
4. Save and transfer the file to the HMI.
5. Run the program on the HMI.
6. Upload the program to a USB jump drive and view on another PC.

Points for:

1. You need to establish communication to the HMI.
   1. RS Linx 15 points
   2. PLC to the HMI program 15 points
2. Create at least 2 push buttons and 1 light.
   1. Color 5 points
   2. Text 5 points
   3. Shape 5 points
   4. Creative 15 points
3. Create a sealed circuit in the PLC program. 10 points
4. Save and transfer the file to the HMI. 10 points
5. Run the program on the HMI. 10 points
6. Upload HMI program onto a jump drive and view on another PC. 10 points

INSTRUCTOR’S INITIAL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_