System Maintenance
CPTR 1122
Lab 10

- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must ensure all answers are legal as defined by the class syllabus.
- All parts of your answers must be neat and easy to read.
- Paragraphs are at least four properly constructed English sentences.
- Embedding documents within documents does not work with the D2L Bright Space assignments.
- Plagiarism will not be tolerated.
- Unless noted, all lab sections must be done as unprivileged login.
- Labeling answers is highly recommended.

## 10. Lab10: Modern Computing

10.1. Upload each answer to the D2L Bright Space Assignment section 10.1 before the due date found in the 1122a.pdf document. Complete the "Lesson 09: Measuring Surrounding Air Pressure".

10.1.1. Submit the entire text file of the source code for the lesson including the following.

10.1.1.1. The remarks identify the purpose, outside help credit, author, and creation date.

10.1.1.2. Entire code for the lesson.

10.1.2. Provide the output of the serial monitor using the default code.

10.1.3. Submit the entire text file of the source code for the lesson including the following.

10.1.3.1. The remarks identify the purpose, outside help credit, author, and creation date.

10.1.3.2. Entire code for the lesson.

10.1.3.3. A modification to the code operation you made.

10.1.3.4. An explanation of the modification impact on the Arduino.

10.1.4. Provide the output of the serial monitor using your modified code.

10.1.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

10.2. Upload each answer to the D2L Bright Space Assignment section 10.2 before the due date found in the 1122a.pdf document. Complete the "Lesson 10: Sensing Movement".

10.2.1. Submit the entire text file of the source code for the lesson including the following.

10.2.1.1. The remarks identify the purpose, outside help credit, author, and creation date.

10.2.1.2. Entire code for the lesson.

10.2.2. Provide the output of the serial monitor using the default code.

10.2.3. Submit the entire text file of the source code for the lesson including the following.

10.2.3.1. The remarks identify the purpose, outside help credit, author, and creation date.

10.2.3.2. Entire code for the lesson.

10.2.3.3. A modification to the code operation you made.

10.2.3.4. An explanation of the modification impact on the Arduino.

10.2.4. Provide the output of the serial monitor using your modified code.

10.2.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

10.3. Upload each answer to the D2L Bright Space Assignment section 10.3 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following. Put your answer in a single document.

10.3.1. Describe your ideal job. Remember, this must be something you will be paid to do.

10.3.2. List at least five things you enjoy doing.

10.3.3. List at least five different job skills you are confident in performing.

10.3.4. List at least two different face-to-face meeting opportunities with a variety of different people you regularly connect with.

10.3.5. List at least two different online meeting opportunities with a variety of different people you regularly connect with.

10.3.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

10.4. Upload your answer to the D2L Bright Space Assignment section 10.4 before the due date found in the 1122a.pdf document. In a perfect world, you should complete all the lab sections before completing this lab section. However, you must wait to complete this lab until week 14 of the semester. Submit a Portable Document Format (PDF) or word processing file containing your answers. Put your answer in a single document.

10.4.1. Identify the lab or lab section that was most difficult for you. Provide at least one sentence explaining why this was the most difficult lab or lab section.
10.4.2. Identify the lab or lab section that was the easiest for you. Provide at least one sentence explaining why this was the easiest lab or lab section.
10.4.3. Identify the lab or lab section you learned the most. Provide at least one sentence explaining why you learned the most from this lab or lab section.
10.4.4. Identify the lab or lab section that you think needed more detail. Provide at least one sentence explaining why you think more detail is needed.
10.4.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.