

System Maintenance  
CPTR 1122  
Lab 02

- Contact your instructor with your questions about the assignments.
- The student must insure all the answers are free from any malware.
- The student must insure 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.

**2. Lab02: Chapter 3: Processor Types and Specifications**

- 2.1. Each part is worth five points for a maximum of twenty-five points. Upload your document or presentation to the D2L Bright Space Assignment section 2.1 before the due date found in the 1122a.pdf document.
  - 2.1.1. Select a working lab or similar computer to gather the following information.
    - 2.1.1.1. The computer manufacturer, model, and serial number
    - 2.1.1.2. The output of a program providing only CPU and CPU flags information.
    - 2.1.1.3. Provide an explanation of each listed CPU flag supported.
    - 2.1.1.4. Provide a list of your sources of information and help.
    - 2.1.1.5. Provide a picture or diagram of your system showing the CPU.
- 2.2. Each part is worth five points for a maximum of twenty-five points. Upload your document or presentation to the D2L Bright Space Assignment section 2.2 before the due date found in the 1122a.pdf document.
  - 2.2.1. Select an Intel processor and provide the processor specifications.
  - 2.2.2. Select an AMD processor and provide the processor specifications.
  - 2.2.3. Select an ARM processor and provide the processor specifications.
  - 2.2.4. Provide a simple explanation for people to know what type of program will run from the selection x64, x86, and ARM.
  - 2.2.5. Identify which processor from the list you recommend for student work and in a paragraph explain why you select this processor.
- 2.3. Each part is worth five points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 2.3 before the due date found in the 1122a.pdf document.
  - 2.3.1. Obtain a picture from your instructor.
  - 2.3.2. Create directions to recreate the picture for a photograph.
  - 2.3.3. Follow your directions and recreate the picture.
  - 2.3.4. Upload a text only copy of your directions to D2L Bright Space.
  - 2.3.5. Upload a photo of your recreation of the picture to D2L Bright Space.
- 2.4. Each part is worth six points for a maximum of twenty-five points. Upload your document or presentation to the D2L Bright Space Assignment section 2.4 before the due date found in the 1122a.pdf document.
  - 2.4.1. Document completion of "How To Get Started With Arduino"
    - 2.4.1.1. Provide a picture showing your Arduino kit is unboxed.
    - 2.4.1.2. Provide a picture showing the Arduino IDE is installed.
    - 2.4.1.3. Provide the output of the "Hello.ino" file run on your Arduino.
    - 2.4.1.4. Provide the output of the "Hello.ino" file run on your Arduino. Replace "hello, world" with your name.