

System Maintenance  
CPTR 1122  
Lab 03

- 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.

**Lab03: Chapter 4: Motherboards and Buses & Chapter 5: BIOS**

- 3.1. Each part is worth five points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 3.1 before the due date found in the 1122a.pdf document.
  - 3.1.1. Select a working lab or similar computer to gather the following information.
    - 3.1.1.1. The computer manufacturer, model, and serial number
    - 3.1.1.2. BIOS/UEFI version
    - 3.1.1.3. The output of all BIOS/UEFI settings
    - 3.1.1.4. Provide documentation on how to enter the BIOS/UEFI setting on the system.
  - 3.1.2. Does this version of BIOS/UEFI need to be updated? Cite your source if it does or does not.
  
- 3.2. Each part is worth six points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 3.2 before the due date found in the 1122a.pdf document.
  - 3.2.1. Select a working lab or similar computer to gather the following information.
    - 3.2.1.1. The computer manufacturer, model, and serial number
    - 3.2.1.2. Provide a diagram showing the expansion slots and CPU locations.
    - 3.2.1.3. Identify the type(s) of installed expansion slots.
    - 3.2.1.4. Identify an expansion/adaptor card that works for each expansion slot.
  
- 3.3. Each part is worth six points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 3.3 before the due date found in the 1122a.pdf document.
  - 3.3.1. Select a working lab or similar computer to gather the following information.
    - 3.3.1.1. The computer manufacturer, model, and serial number
    - 3.3.1.2. Provide a diagram showing the expansion slots and CPU locations.
    - 3.3.1.3. Identify the make, model, and size of the main board.
    - 3.3.1.4. Identify maximum amount of RAM supported and your information source.
  
- 3.4. Each part is worth six points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 3.4 before the due date found in the 1122a.pdf document.
  - 3.4.1. Document completion of "Lesson 1, Blink"
    - 3.4.1.1. Provide a copy of the source code that makes the light blink.
    - 3.4.1.2. Provide a copy of the source code that includes the code purpose, sources of help, author name, and creation date.
    - 3.4.1.3. Provide a copy of the source code that includes the code purpose, sources of help, author name, creation date, and a modification. Identify the modification.
    - 3.4.1.4. Provide an estimate of how long you spent working on this lab section.