

System Maintenance
CPTR 1122
Lab 09

- 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.

9. Lab09: Chapter 17: Power Supplies & Chapter 18 Building or Upgrading Systems

9.1. Each part is worth twelve points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 9.1 before the due date found in the 1122a.pdf document.

9.1.1. Select a working lab or similar computer to gather the following information.

- 9.1.1.1. The computer manufacturer, model, and serial number
- 9.1.1.2. Pictures showing all electrical information of the power supply.
- 9.1.1.3. Identify the output volts, amps, and watts.
- 9.1.1.4. Identify the type of power supply plugs to the main board.

9.2. Each part is worth six points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 9.2 before the due date found in the 1122a.pdf document.

9.2.1. Select a working lab or similar computer to create a diagram/photo showing the following.

- 9.2.1.1. Power Supply
- 9.2.1.2. CPU
- 9.2.1.3. RAM
- 9.2.1.4. Input/Output ports (each one must be labeled)

9.3. Each part is worth five points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 9.3 before the due date found in the 1122a.pdf document.

9.3.1. Create a spreadsheet providing the following information.

- 9.3.1.1. The primary function of a computer you would build
- 9.3.1.2. Identify the case manufacturer, model, cost, and vendor
- 9.3.1.3. Identify the power supply manufacturer, model, cost, and vendor
- 9.3.1.4. Identify the main board model, cost, and vendor
- 9.3.1.5. Identify the BIOS/UEFI version and chip set version
- 9.3.1.6. Identify the CPU manufacturer, model, cost, and vendor
- 9.3.1.7. Identify the RAM manufacturer, model, cost, and vendor
- 9.3.1.8. Identify the primary storage and interface manufacturer, model, cost, and vendor
- 9.3.1.9. Identify the USB ports type, number, and any additional required components.
- 9.3.1.10. Identify the network ports type, number, and any additional required components
- 9.3.1.11. Identify the video adapter type, capability, and any additional required components
- 9.3.1.12. Identify the monitor manufacturer, model, cost, and vendor
- 9.3.1.13. Identify the keyboard manufacturer model, cost, and vendor
- 9.3.1.14. Identify the mouse manufacturer, model, cost, and vendor
- 9.3.1.15. Identify any additional options manufacturer, model, cost, and vendor
- 9.3.1.16. Explain how you know all components will work together as a working system (10 points)

9.4. Each part is worth six points for a maximum of twenty-five points. Upload your document to the D2L Bright Space Assignment section 9.4 before the due date found in the 1122a.pdf document.

9.4.1. Document completion of "Lesson 7, Motion Picture"

- 9.4.1.1. Provide a copy of the source code successfully displaying a "duck" on the screen.
- 9.4.1.2. Provide a copy of the source code that includes the code purpose, sources of help, author name, and creation date.
- 9.4.1.3. 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.
- 9.4.1.4. Provide an estimate of how long you spent working on this lab section.