System Maintenance
CPTR 1122
Lab 01

- 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.

1. Lab01: Computing Concepts

1.1. Upload each answer to the D2L Bright Space Assignment section 1.1 before the due date found in the 1122a.pdf document.

1.1.1. Submit a Portable Document Format (PDF) or text file of your instructor's response to your email from your college email account. The answer will include all email header information and the entire email message. It is optional to request a digitally signed response.

1.1.2. Submit a Portable Document Format (PDF) or word processing file of your posting to this class "General Class Discussion" group on D2L Bright Space Discussion area. The submission must include your name, posting message and discussion group name

1.1.3. Submit an audio file with the correct pronunciation of your name as it appears on the official college records. Additional information may be included in the audio file. The audio file must playback using VLC player.

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

1.2. Upload each answer to the D2L Bright Space Assignment section 1.2 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.

1.2.1. Provide evidence of installing a type 2 hypervisor on a system you control.

1.2.2. Provide the installation documentation for the type 2 hypervisor installation. This must show the answers to every question displayed by the installer.

1.2.3. Provide a screen shot of a successful logon to the M State Azure Dev Tools for Education store site. The screen shot must include your logon name and a listing of iso files to download.

1.2.4. Provide a screen shot of the current Debian Linux version iso download site showing the iso download.

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

1.3. Upload each answer to the D2L Bright Space Assignment section 1.3 before the due date found in the 1122a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following.

1.3.1. For each item in the list below, describe the system, a representative picture, and provide at least two unique sources of authoritative information for each item.

1.3.1.1. Chromebook
1.3.1.2. Terminal
1.3.1.3. Microcomputer
1.3.1.4. Mainframe
1.3.1.5. Supercomputer

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

1.4. Upload each answer to the D2L Bright Space Assignment section 1.4 before the due date found in the 1122a.pdf document. Complete the "Getting Started section".

1.4.1. Submit a Portable Document Format (PDF) or word processing file containing the following.

1.4.1.1. A picture of your Arduino kit.
1.4.1.2. A screen shot of the Arduino compiler installed.
1.4.1.3. A screen shot of the "hello world" program working in system monitor.

1.4.2. Submit the entire text file of the source code for "hello world" including the following.

1.4.2.1. The remarks identify the purpose, outside help credit, author, and creation date.
1.4.2.2. Entire code for the lesson.

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