Fundamentals of Information Technology Security
CSEC 1110
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: Controlling a Computer**
   1.1. Upload each answer to the D2L Bright Space Assignment section 1.1 before the due date found in the csec1110a.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 csec1110a.pdf document. Put your answer in a single document.
      1.2.1. Provide all the hypervisor settings for a Windows operating system installation.
      1.2.2. Provide all the Windows operation system installation option configuration settings for a virtual machine.
      1.2.3. Show your virtual Windows operation system is current with updates and anti-virus definitions.
      1.2.4. Show your virtual Windows operating system network settings. (ipconfig /all).
      1.2.5. Provide a text list of all open firewall ports with port numbers on the virtual machine Windows host.
      1.2.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

   1.3. Upload each answer to the D2L Bright Space Assignment section 1.3 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following. Put your answer in a single document.
      1.3.1. Provide the URL of the Acceptable Use Policy for the college.
      1.3.2. Provide a listing of "common or likely" student activity that is a violation of the Acceptable Use Policy. Please label your answer. You may not use the AUP wording.
      1.3.3. Copy subsection with the exact wording from the Acceptable Use Policy that forbids the activity.
      1.3.4. Identify all the possible punishments for the activity listed in the Acceptable Use Policy.
      1.3.5. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.

   1.4. Upload each answer to the D2L Bright Space Assignment section 1.4 before the due date found in the csec1110a.pdf document. Submit a Portable Document Format (PDF) or word processing file containing the following. Put your answer in a single document.
      1.4.1. Document the permission settings for all your home directory files for this semester.
      1.4.2. Provide detailed written directions on how to perform the backup. Each step, mouse click, and answer must be in a separate sentence or bullet point.
      1.4.3. Provide detailed written directions on how to perform a restore. Each step, mouse click, and answer must be in a separate sentence or bullet point.
      1.4.4. Provide evidence of your most recent backup with date and time of completion.
      1.4.5. Identify two different vulnerabilities a backup defends against. Explain in a paragraph how a backup defends against each vulnerability.
      1.4.6. Identify if an AI type program was used to complete this lab section. If an AI program is used, identify the AI system used.