

MINNESOTA TECH FOR SUCCESS



Weeks 1 & 2

11/15/2023

Agenda

- Announcements
- What is Information Technology?
- IT Terms, Concepts, Career Paths

- Break (10 min)

- Warehouse Activity: Laptops
 - Laptop testing, restoration & registration
- Warehouse Music playlist setup
- Homework assignment





ANNOUNCEMENTS



Contacts

- Hong Vu
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- Chad Phaengdara
 - Web Development | Student Support
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- Peter Everett
 - MTFS Learn Training Navigator
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Website

- Currently under construction
- Chad will email link to everyone by Friday 11/17

+ WHAT IS INFORMATION TECHNOLOGY? +





IT TERMS



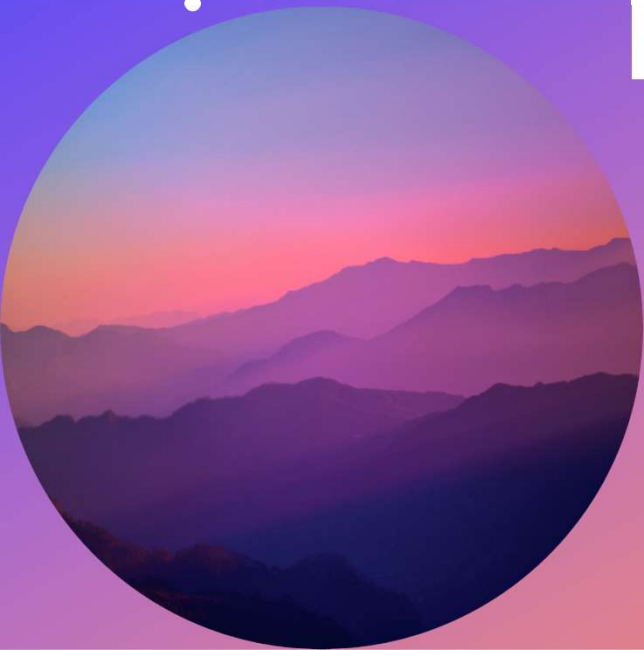
Information Technology: Terms

1. **Application Software:** Software that has been developed with an intention to solve a particular problem.
2. **Arithmetic and Logic Unit (ALU):** It performs mathematical, logical and decision operations in a computer.
3. **Assembler:** An assembler is used to convert the code program written in assembly language into a machine language code.
4. **Application programming interface (API):** It stands for application programming interface.
5. **Artificial intelligence (AI):** It stands for artificial intelligence, which is the simulation of human intelligence processes by machines like computer systems.
6. **Binary code:** A system of representing data or instructions using only two options, typically 0 and 1.
7. **Business continuity plan (BCP) or business continuity:** A plan that outlines procedures to be followed in case of a disaster or other emergency that interrupts business operations.
8. **Business intelligence (BI):** The use of software and other tools to analyze data and provide insights into business operations.

Information Technology: Terms (continued)

1. **Cache:** A type of memory that stores frequently used data for quick access.
2. **Central processing unit (CPU):** The part of a computer that performs most of the processing and controls the other parts of the computer.
3. **Cloud computing:** The delivery of computing services over the internet, including servers, storage, databases, and software.
4. **Information security:** The practice of protecting information from unauthorized access, use, disclosure, disruption, modification, or destruction.
5. **Computer technical support:** Assistance provided to users of computer hardware or software to help them solve problems or answer questions.
6. **Business software development:** The process of creating software applications to solve business problems or improve business operations.
7. **Database and network management:** The management of databases and computer networks to ensure they are secure, reliable, and efficient.

IT CONCEPTS



4 Main IT Concepts

Information Security: The practice of protecting information from unauthorized access, use, disclosure, disruption, modification, or destruction.

Database and Network Management: The management of databases and computer networks to ensure they are secure, reliable, and efficient.

Computer Technical Support: Assistance provided to users of computer hardware or software to help them solve problems or answer questions.

Business Software Development: The process of creating software applications to solve business problems or improve business operations.

Information Technology Overview

- [Information Technology In 4 Minutes - YouTube](#)

IT Career Paths

- From CompTIA, Some IT roles include:

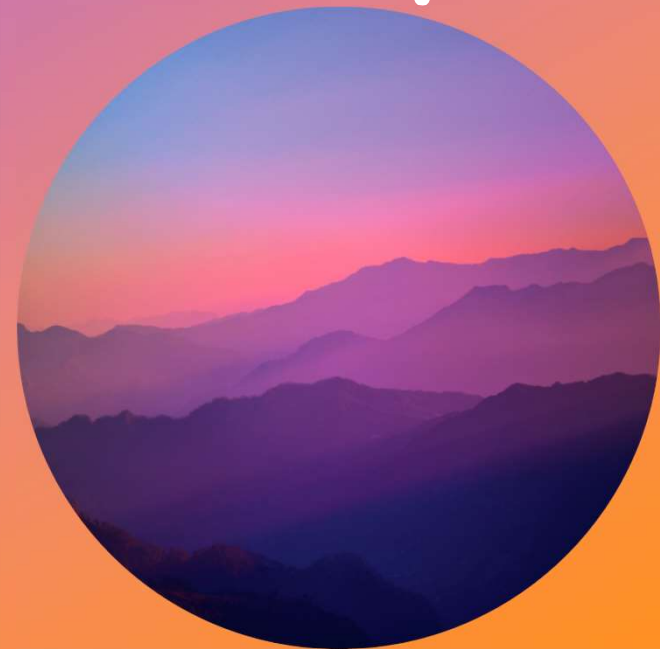


How the Internet Works

- <https://www.youtube.com/watch?v=AEaKrq3SpW8>

BREAK

10 minutes



MUSIC PLAYLIST



Music Playlist

- Homework #1: Due today
- Playlist compiled through Spotify on the iPad
- Get your tracks included 😊



LAPTOPS

Warehouse Activity



Laptop Activity

1. Take a laptop from the pile
2. Test and assess condition of laptop
 - Make a list of notes for any technical issues
 - Attach notes to the top of the laptop and separate pass & fail
3. Reformat the laptop
4. Install Operating system on the laptop
5. Register the laptop
 - It will be registered to you – Be thorough and **CHOOSE WISELY!**



HOMework



Homework #2: Life & Technology

- **Homework Assignment**

- Answer the following questions about:
 1. Telling us a little bit about yourself.
 - Hometown, family/ethnic background
 - Interests & hobbies
 - Any clubs/organizations you are a part of
 2. What got you interested into IT/technology/computers?
 3. What are you looking to get out of this internship?
 4. What are your life and career interests & goals?

- Email - Peter, Hong & Chad
- **Due by: [Wednesday, 11/22](#)**