**Vocab:**

* **Anti-virus software:** a computer program that detects harmful and unwanted software.
* **Availability:** networks, systems, and applications are up and running to authorized users whenever they hope to use them.
* **CIA Triad:** CIA stands for confidentiality, integrity, and availability, which are the principles used to guide how we protect data and access critical services.
* **Confidentiality:** ensures only authorized users have access to data.
* **Cybersecurity:** the practice of protecting data, computers, systems, and networks from digital threats.
* **Data breach:** an incident where information is taken without permission.
* **Encryption:** the method used to protect or hide secret messages. Encryption scrambles up the data in a way that makes it unreadable.
* **Identity theft:** when a person uses someone else's personal information without their permission.
* **Integrity:** ensures that data can be trusted and has not been tampered with.
* **Malicious actor:** an individual or a group of people whose goal is to harm others in some way.
* **Malware:** malicious software meant to take data and/or harm data.
* **NIST Framework:** a framework used by cybersecurity professionals for guidelines and best practices to manage cybersecurity risk.
* **Physical vulnerability:** a weakness in the physical world such as exposed devices and access to private spaces.
* **Ransomware:** a program that locks information on a computer or device that demands payment to retrieve the information back.
* **Scrape data:** process where a computer program extracts data from a website.
* **Social engineering:** one person manipulating another person to give up information.
* **Technical vulnerability:** a weakness in the computer network or system.
* **Two Factor Authentication:** a process which requires two setups to verify a user. For example, a website might require users to login using your password and a code sent to your phone.
* **Vulnerabilities:** a weakness that can be taken advantage of by others.