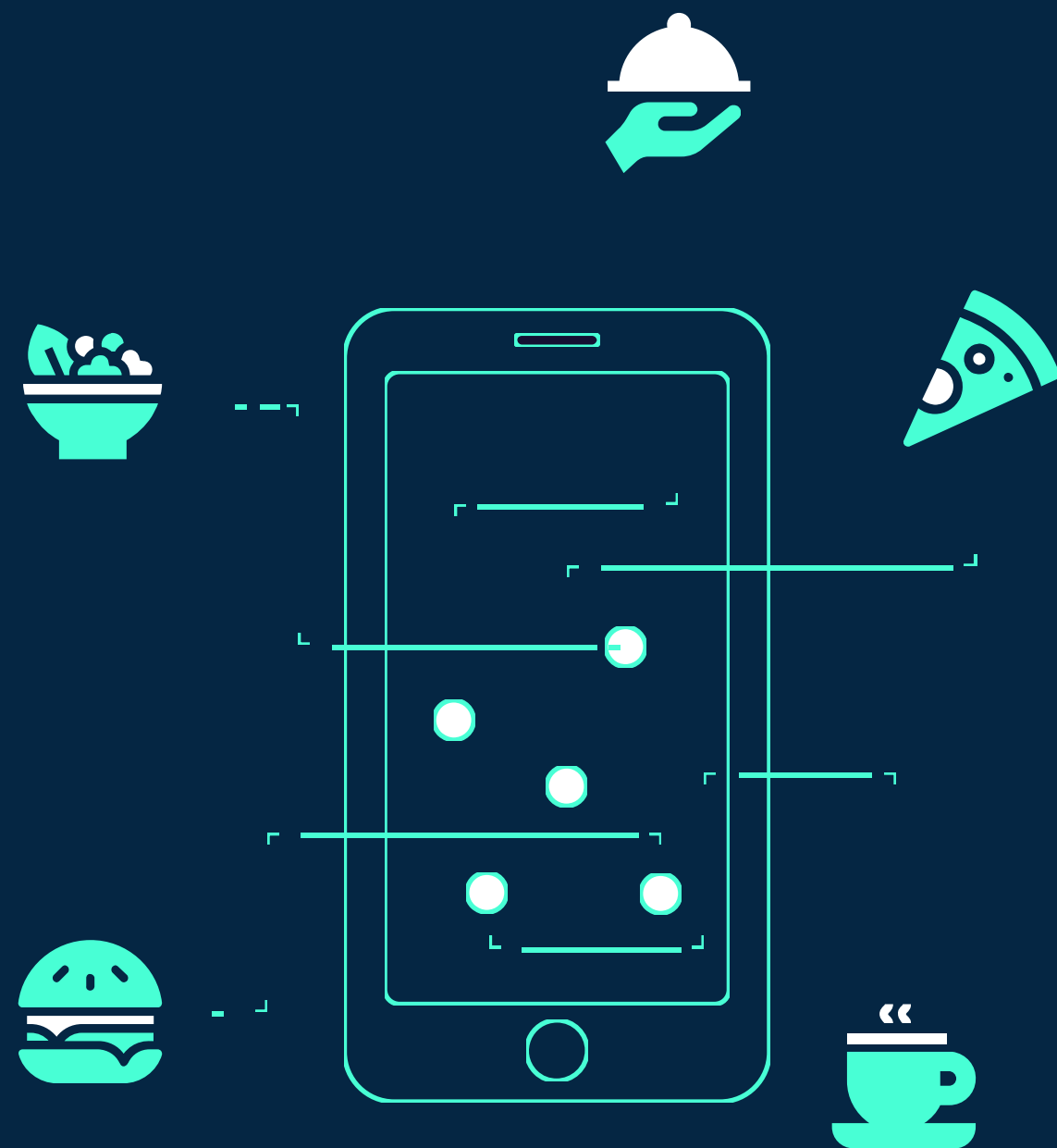




# What is the CIA triad?



# CIA triad

---

The CIA triad provides a high-level framework for cybersecurity professionals to consider when auditing, implementing, and improving systems, tools, and programs for organizations. It is a powerful way to identify weak points and form solutions to strengthen policies and programs.

# The three elements of the triad

---



The diagram illustrates the three elements of the triad. It features three large, overlapping circles arranged horizontally. The leftmost circle is light blue and contains the word 'Confidentiality'. The middle circle is light red and contains the word 'Integrity'. The rightmost circle is light green and contains the word 'Availability'. The circles overlap in the center, creating a common intersection area. A thin, light gray horizontal line runs across the top of the image, just below the title.

**Confidentiality**

**Integrity**

**Availability**



# Confidentiality

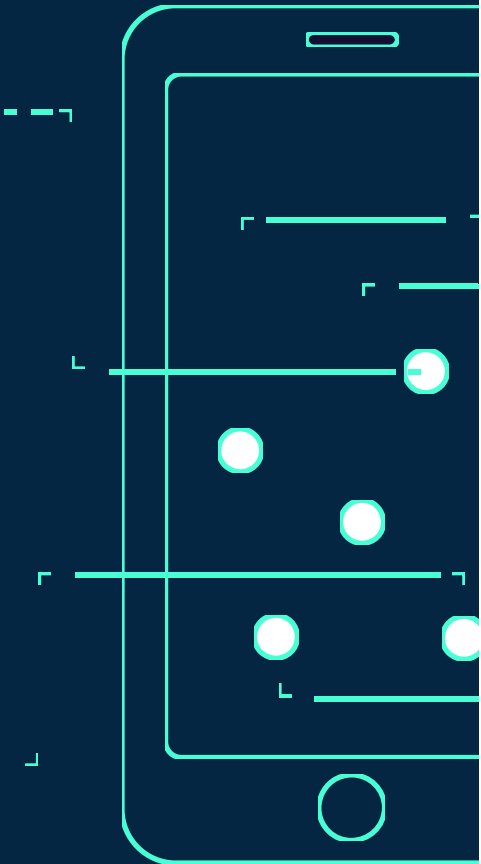
---

**Confidentiality involves protecting sensitive data private and safe from unauthorized access. This includes protecting information from bad actors with malicious intent, as well as limiting access to only authorized individuals within an organization.**

# Integrity

---

**Maintaining data integrity is important to make sure data and business analysts are accessing accurate information. Data shown to the public must also maintain integrity so that customers can trust the organization. A system with integrity keeps data safe from unnecessary changes, whether malicious or accidental. Cybersecurity professionals might implement access levels, enable tracking when making changes, and protect data when transferring or storing it.**

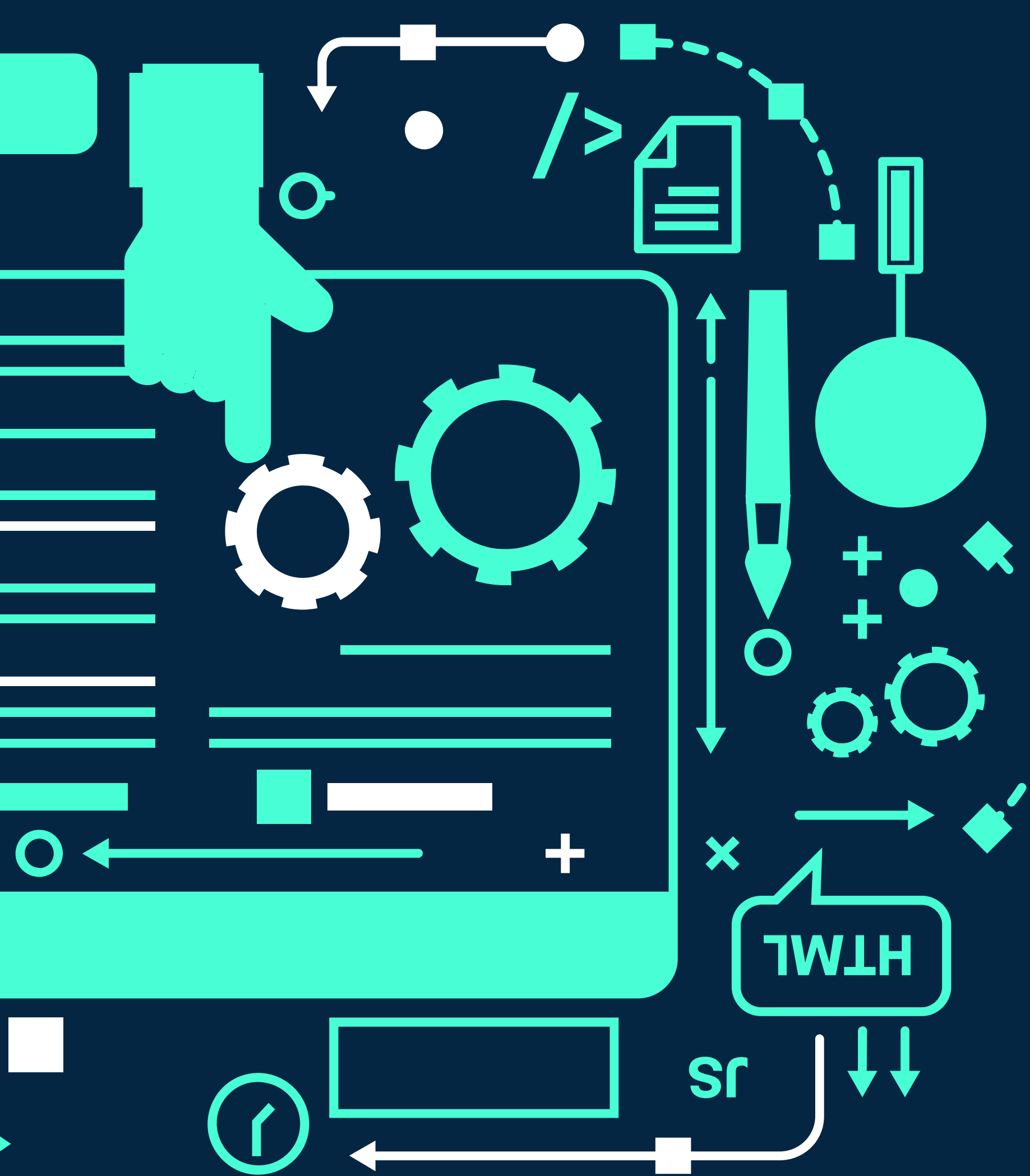


# Availability

---

**Availability** refers to the idea that the people who need access to data can get it—without affecting its confidentiality or integrity.  
**Example** You want the recipients of that email you sent to be able to access it, display it, and even save it for future use.





**Why is  
computer  
security  
important?**



**It's important to keep your computer secure for several reasons.**

- **First, you likely have sensitive information about yourself, or your customers that must be protected and kept confidential.**
- **Second, every computer, or “endpoint”, is a potential gateway into the rest of your home or company network. If your computer is compromised, you jeopardize the security of all information stored across your entire network.**



**Maintaining proper computer security ensures your computer's overall health. It helps prevent viruses and malware, which can dramatically slow down or cripple your computer completely.**

SOMEONE FAMOUS





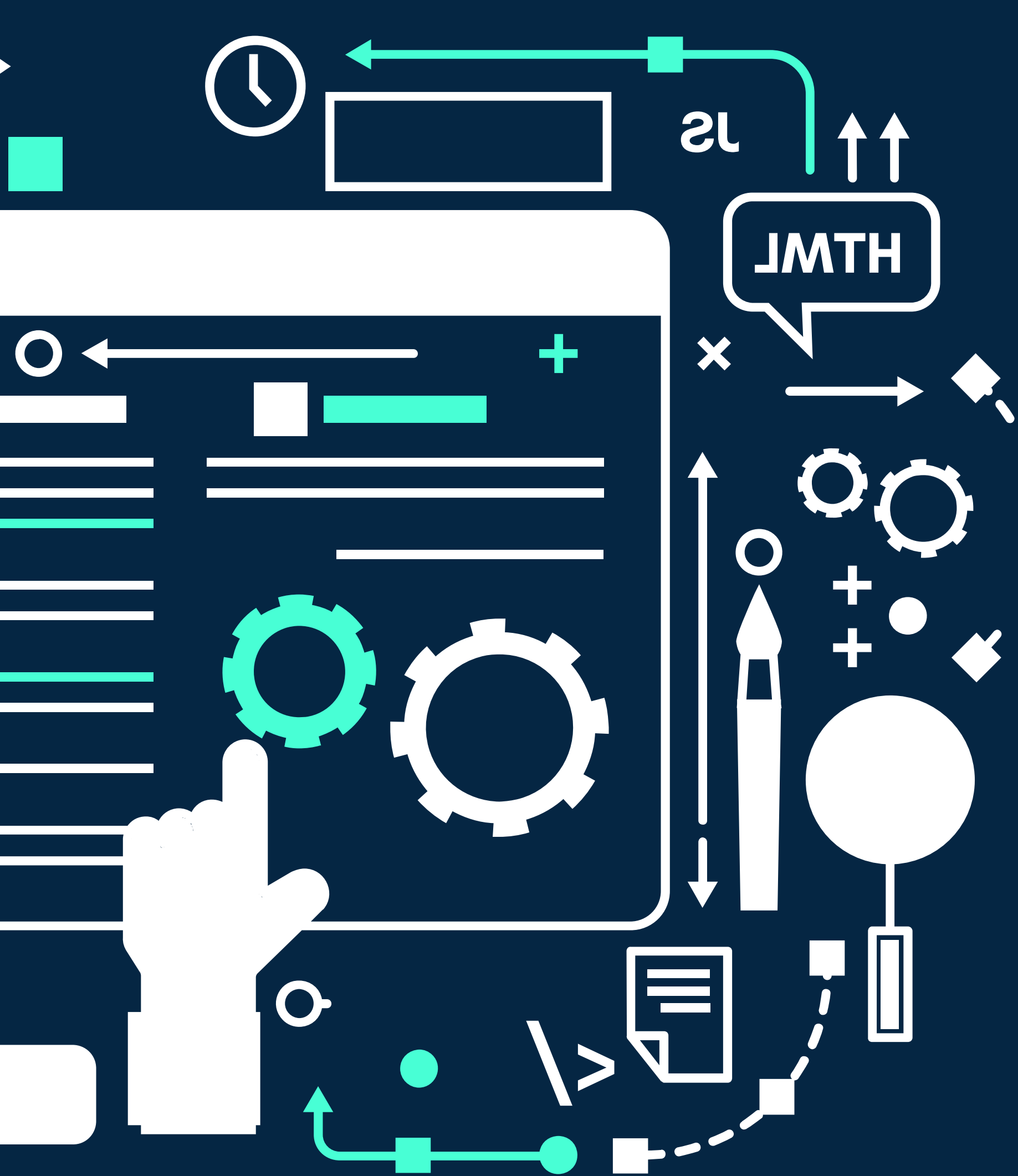






**Information security is the practice of protecting information by mitigating information risks. It involves the protection of information systems and the information processed, stored, and transmitted by these systems from unauthorized access, use, disclosure, disruption, modification, or destruction. This includes the protection of personal information, financial information, and sensitive or confidential information stored in both digital and physical forms. Effective information security requires a comprehensive and multi-disciplinary approach, involving people, processes, and technology.**

—SOMEONE FAMOUS





**What is the  
difference between  
computer security  
and information  
security?**



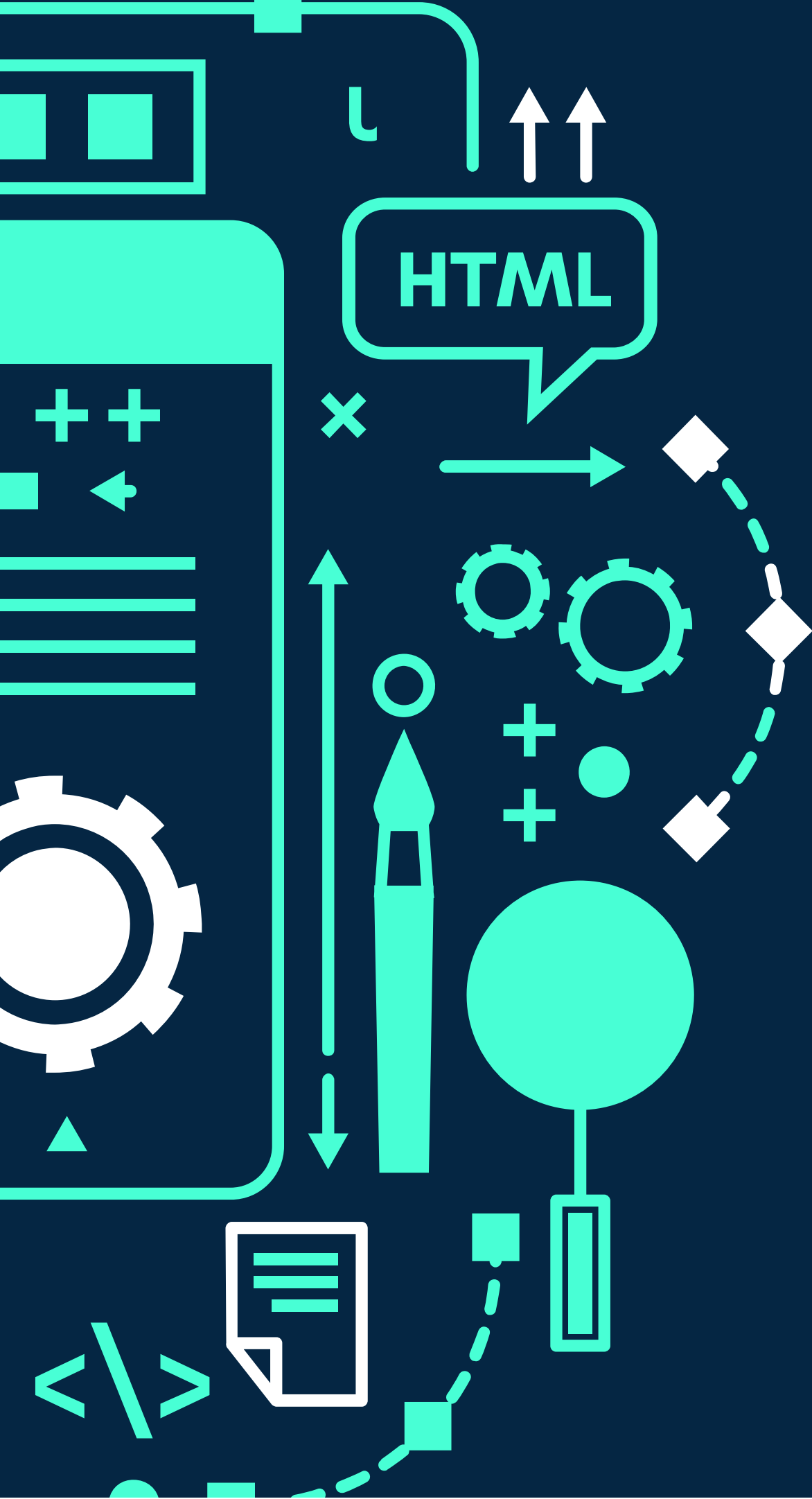
**Information security is about the protection of information within organisations, including data ranging from customer data to internal data. Information security, on the other hand, is related to the protection of computer systems, including mobile and other devices, servers, networks and computers.**

**protection of the data itself (information security)  
protection of devices and appliances (computer security).**



—SOMEONE FAMOUS





# THANKS!

IQUEN MARBA BSIT - 3D  
INSTRUCTOR: POL MIRO

