

## ACTIVIDAD #11

### Tipo de actividad: Filling-in-the-blank

Filling-in-the-blank activity about the previous reading.

1. Blockchain technology was first developed in \_\_\_\_\_ for the cryptocurrency Bitcoin. However, the potential applications of Blockchain extend far beyond cryptocurrencies. Today, blockchains are being used for everything from \_\_\_\_\_ to identity verification.
2. One of the key advantages of Blockchain is that it allows decentralized control. There is no central authority that can be hacked or taken offline. Instead, the network is made up of nodes, each of which stores a copy of the \_\_\_\_\_. In order for a hacker to tamper with the Blockchain, they would need to hack every single \_\_\_\_\_ in the network - an extremely difficult feat.
3. \_\_\_\_\_ is a type of Blockchain attack where hackers create and use many false identities to crowd the network and crash the system. This can be done by creating multiple accounts, computers, or \_\_\_\_\_. Sybil attacks can reduce confidence in the Blockchain, as well as lead to financial losses.
4. Blockchain penetration testing helps assess Blockchain applications' security and identify vulnerabilities that attackers could exploit. During a penetration test, ethical hackers attempt to identify and exploit vulnerabilities in the system. This helps to find and fix potential exploits before \_\_\_\_\_ can use them.
5. \_\_\_\_\_ is a personal Ethereum Blockchain that can be used for testing and development. It includes a user interface for interacting with smart contracts. \_\_\_\_\_ is a type of Blockchain that combines the features of both public and private blockchains.