Unit 1 Activity

A banking institution, such as WeServeU, would need to think about the aspects of the AIC (confidentiality, integrity, and availability) triad.

Confidentiality is a set of rules that limit access to specific information, much like privacy. This helps make sure that sensitive information does not fall into the wrong hands. This is like how specific accounts have access to specific things on a website, like how when you sign into your bank account. For example, when you go to view your bank account information online this helps make sure you only view your bank information, and not anyone else's. Passwords, accounts, account numbers, verification methods, and other things help make this work. Also, you don't want your customer support agent to be able to see things like your social security number. Confidentiality helps to make sure that something like that doesn't happen.

Integrity ensures that online information is trustworthy and accurate. Data, or packets, that move around the internet can be altered in transit, and this can pose problems for those who depend on its reliability. Integrity takes steps to make sure the information can't be altered or deleted by the wrong people and that it stays intact, no matter where it goes around the internet. This is important for banking, to make sure that the bank account information that gets displayed on people's accounts are accurate. If the information were to not be accurate, then the bank system may think inaccurately that the person doesn't have any money in their account when they really do. In a hacking event, the data could be intercepted and altered to drain your bank account. Integrity makes sure that something like this doesn't happen.

Availability is a guarantee that your access to reliable information is always available when you need it. This is essential for Cybersecurity and is best handled through maintenance of hardware and systems. It instantly repairs operating systems to keep them working, as well as system upgrades and disaster recovery. For banking, this is important because people are always needing to access their bank account info. This will help them to budget, track, fix any problems, etc. whenever they need to. If the information isn't always available, then people may have trouble managing their money in their bank account.