



# CYBERTERRORISM

| Nevin Kishore | Noah King | Joshua Knight |

Group: 0510

# TOPIC

Society is being shaped by the technological shift we are experiencing for the drive for a more online future. This leaves people vulnerable and more exposed to the likes of cybercrime as your information and data is now all online. Every year, trillions of dollars are lost due to cyberattacks. The U.S has employed around 900,000 people in the field of cybersecurity in order to strengthen the security however they still come out short-handed due to an increase in cybercrime by 33% in 2022. Therefore; explaining the relevancy of this topic in terms of it still growing and advancing. The online world is moving at a rapid pace leaving more space for cybercrime to occur. Cyberterrorism is a subcategory of Cybercrime which means the use of technology in order to “cause severe disruption/widespread panic within society”. Cyberattacks are able to manipulate social media in forms of fake news and emails scams in order to manipulate and influence society while stealing information.



# RISKS AND CHOICES

## **Provide a critical assessment of the RISKS posed by the technology/topic.**

- A social engineering attack can pose many risks on business or company, a social engineering attack like phishing, internal, ransomware and scareware can ruin a business reputation or ruin the trust between business, major data breaches or compromise disclosed information and minor or major financial loss even the hacks who do these attacks face risk such as legal action taken against them so that they could be fined or imprisoned. There are also some good risks, like how the hacker/attacker could expose unethical practices that the business or organization is doing leading to legal action being taken to the company rather than the hacker or attacks.

An example of this is with Albert Gonzalez, who was arrested for cyber crimes involving social engineering. – James Verini (2010)

## **Provide a critical assessment of the CHOICES available when adopting the technology/topic.**

- The risks that come along with having a business/company online that are caused by these social engineering attacks can be prevented with certain choices. Choices such as keeping access on confidential files or databases restricted to only trusted people, this prevents an internal attack, also updating passwords and cyber security systems often to prevent phishing and physical social engineering. Most social engineering attacks are achievable to the attackers because they exploit the use of lack of knowledge around technology the business/company employs do not have. In a ransomware attack the attacker would already have control of the system and will usually demand for money in return for their system back, they might not get there system back to avoid these business/company should have a backup copy of the system and the databases used within it, this copy should also be backup often.

Employees ought to be required to attend initial training during orientation and recurring refresher trainings. This builds awareness by exposing users to commonly employed tactics and behaviors targeted by a social engineer. – Nabie Y. Conteh (2015)

# ROLES AND PRESENTATION

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## Team Roles & Responsibilities

- Noah's role – Noah's lead role in the group project is being the lead coder/programmer for our HTML website, Noah will make sure the website is aesthetically pleasing while also being functional, as well as uploading all the updated and changes of code to our repository. Noah will also assist his teammates when they are in need of extra help whether that being research or writing.
- Joshua's role - Joshua's lead role in the group project is the lead researcher. This will include finding useful links, reliable sources and factual sources related and focused into our topic. This research will deem very useful to our lead writer as he doesn't have to go searching for information instead, he has reliable information right at his fingertips. Joshua will also be assisting his other teammates when they require help.
- Nevin's role - Nevin's lead role in this group project is the lead writer. This will include writing in depth paragraphs focused in on our chosen topic. He will have sources and information from the researcher to write about to help him execute his paragraphs. Nevin will also be making sure to reference whenever he uses information from sources either through APA referencing or inserting footnotes. The paragraphs and references from Nevin will then be given to Noah for him to put into the website. Nevin will also be helping when his teammates require anything for their roles.