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Title: Phishing and Its Implications: An Assignment Overview

Theory:

Phishing, the art of tricking people into revealing their private information, is a real concern in our digital age. This report delves into an assignment that mimics a phishing attack, recreating a fake Instagram login page. This task mirrors the tactics used by cybercriminals to exploit trust and familiarity online.

Our assignment involved creating a fake Instagram login page that looks just like the real deal. Users are prompted to enter their usernames and passwords. Once they hit 'login,' they're redirected to the actual Instagram page. Sneakily, the entered data is saved in a database for potential misuse.

Phishing is a cybercrime technique that capitalizes on the trust individuals place in reputable online platforms. Attackers imitate well-known websites or send deceptive emails to trick users into divulging confidential information. The primary goal is to obtain personal data, such as login credentials or financial information, for illicit purposes.

It is crucial to highlight that phishing is both illegal and unethical. The act of collecting users' sensitive data can result in identity theft, financial loss, and damage to one's online reputation. Unauthorized access to accounts can have severe consequences, potentially leading to malicious activities committed in the victim's name.

To combat phishing attacks, educating individuals about the dangers of such practices and raising awareness is of utmost importance. Implementing robust security measures and using multi-factor authentication can enhance users' protection against falling victim to phishing.

This assignment serves as an educational tool, shedding light on the significance of cybersecurity and the responsibility required when handling technology. It underscores the need for vigilant online practices and the importance of maintaining privacy and security in an interconnected digital world. Phishing is a real threat, and combating it requires awareness, vigilance, and ethical use of technology.

Screenshots:

1. Screenshot of our Instagram Login Page Clone
2. Screenshot of credentials entered into our clone page
3. Screenshot of redirection to actual Login Page on clicking 'Log In'
4. Credentials are saved onto a database.



