

Problem Statement for the Final project

Here is the final challenge for the students. Your task is to evaluate and fortify a fictional organization, SecureCorp, against an array of cyber threats.

You must craft and execute a thorough security strategy that includes: reconnaissance, vulnerability assessment, penetration testing, web application security, client-side attacks, password hacking, malware analytics, social engineering awareness, mobile application security, and Wi-Fi network fortification.

Participants are expected to showcase their proficiency in identifying and remedying vulnerabilities within SecureCorp's infrastructure, with a focus on utilizing the Damn Vulnerable Web Application (DVWA) as a central reference point.

The project's objective is to foster critical thinking, problem-solving abilities, and ethical practices, offering a simulated real-world environment for participants to hone diverse cybersecurity techniques and safeguard against potential cyber threats while practicing in a safe, simulated environment.