FINAL PROJECT

I.   Objectives.

Perform an attack in a controlled virtual environment.

II.   Material Required.

Two virtual machines (you can use any Operating System, including Kali Linux).

III.   Activity and requirements.

1. Use one of the VMs as the target and install any application or service such as a web site, a database, a FTP server, a DHCP server, etc. (take screenshots of your set up).

2. Use the second VM as the attacker and execute/extend any attack (that we did not cover in classes) such as Denial of Service Attack, SQL injection, Cross Site Scripting XSS, Form Tampering, etc. (take screenshots of your attacks).

3. After that, implement countermeasures in the target system to prevent/stop the attack that you perform previously. (take screenshots of the implemented countermeasures, and of the new attempt of attack showing that it failed).

IV.   What to submit.

A comprehensive and detailed report for activities 1, 2 and 3 that includes screenshots and explanation for each screenshot.