**Project 1**

**Network Monitoring and Vulnerability Assessment (100 possible points)**

1. Each student will document their work – steps and process you took -- as part of the deliverables.
2. Download and configure AlienVault OSSIM, an open source SIEM (Security Information and Event Management) tool - <https://www.alienvault.com/products/ossim>
3. Install at least two VMs: one Linux and one Windows (ReactOS) to secure and monitor along with the OSSIM box.
4. Discover these two assets (Linux and ReactOS VMs) from AlienVault and run built-in vulnerability scanner (Nessus or OpenVAS) against them to find the vulnerabilities out of the box.
5. Create tickets and reports of the vulnerabilities in OSSIM and patch them.
6. Re-run the vulnerability scanner to confirm the vulnerabilities are patched.
7. Create final reports on the assets from AlienVault.

**Deliverables:**

Upload all the relevant documents and summary report into Homework 1 dropbox folder in D2L before the due date.