CSE 4471 Homework 2

Instructor: Adam C. Champion, Ph.D.
Due: Monday, July 22, 2019 in class  (5 points)

Your answers to the homework questions need to be typed. A hard copy needs to be submitted in class by the due date. Please provide references for all your sources.

This homework covers Parts 5–6 of the course material.

1. Suppose a contracting firm offers its services (such as plumbing, construction, and electrical) via an online website. Design a secure network for the firm using the security technologies discussed in class (namely, firewalls, VPNs, and IDSs). (Hint: The firm needs a Web server to sell its services online and it has an internal computer network for business management.) (3 points)

2. Surf the Internet to find popular firewall, VPN, and intrusion detection products on the market. (1 point)

3. Surf the Internet to find techniques for mitigating DDoS attacks and explain these techniques in your own words. (1 point)