**CS 451**

**Class Activity 2**

**Name(s):**

* Assume that your client is a small company which has a head quarter (HQ) in one office and has around 10 employees who will remotely work by accessing the servers at the HQ. Design a remotely accessible small office network including three servers (workstations), a firewall device, and a switch with **$10,000 budget** and **$20,000 budget**, **respectively**. The remotely accessible small office network needs to be able to support at least ten VPN (virtual private network) connections between a remote employee and the HQ. Thus, your design must include a software license to support the VPN connections as well as the hardware diagram (i.e., a topology diagram which shows types of devices and links between the devices connected to the Internet).
* Note that the budget must include Internet service with a reasonable speed for one year and network facilities such as cables.
* Note that, if you want to include a cloud service in your design, you may modify the requirements as long as you can offer the same or similar features in the aforementioned description.

Score:

Class Activity 2 (25 points)

Note:

You will give a 10-minute presentation.

You don’t need to dress up for the presentation.

What to submit:

1. Technical Report (2-3 pages) with detailed hardware and software specifications and your justification

🡺 Submit this report to the Assignments submission folder named “Class Activity 2”

1. Power point slide

* Submit this power point slide to the Assignments submission folder named “Class Activity 2”

How to submit:

The Assignments submission folder in D2L by the deadline.