**Kenneth Delliber 10/14/2023 CDMDE1010: CDM Capstone (August\_2023\_York)**

**Final Network Design Specification**

**1. Physical Security Additions:**

* CCTV cameras are installed at critical points for surveillance.
* Security alarm system implemented to alert unauthorized access.
* Electronic locks are installed on the front and back doors.

**2. Budget Cuts Implementation:**

* Opted for a cost-effective broadband internet connection.
* Choose a basic 4-camera CCTV system for surveillance.
* Implemented a digital order management system to replace paper order forms.

**3. Incorporation of Competitor's Location:**

* Established a high-speed broadband internet connection at the competitor's location.
* Set up a VPN for secure connectivity between the competitor's location and the primary site.
* Replaced the outdated Windows XP computer with a modern desktop system.
* Implemented a digital order management system at the competitor's location.

**4. Diagrams and Supporting Materials:**  
[The network diagrams, equipment specifications, and other relevant documents are attached.]

**Summary Report**

**Project Overview:**  
The project aimed to design and implement a robust network infrastructure for the photography company, incorporating physical security measures, addressing budget constraints, and integrating a newly acquired competitor's location.

**Lessons Learned:**

* **Flexibility is Key:** The project underwent several changes, from budget cuts to acquiring a new location. Being adaptable and open to modifications was crucial.
* **Communication:** Regular communication with the client ensured we met their expectations and requirements.
* **Research:** Thorough market research helped choose cost-effective solutions without compromising quality.
* **Training:** Implementing new systems requires adequate staff training. This aspect was initially overlooked but was addressed promptly.

**Changes/Modifications for a Do-Over:**

* **Early Integration:** To ensure smooth transition and implementation, integrate the competitor's location earlier in the project timeline.
* **Enhanced Security:** While basic security measures were implemented, exploring advanced security solutions would be beneficial.
* **Backup Solutions:** A priority would be implementing backup solutions for data storage and recovery.

In conclusion, the project was a valuable learning experience. While we successfully met the client's requirements, there's always room for improvement. Continuous feedback and reflection are essential for growth and better outcomes in future projects.