CSCE 5565 Quiz 1- Fall 2023

Question 1 (10 points)

Explain how security requirements can exhibit various types of relationships, such as (1) precondition/requires/constraints, (2) contradicts/conflicts, (3) similarity, (4) example for, and (5) refines relationships. Provide two (2) security requirement examples that demonstrate one of the relationship types listed above. Clearly specify the relationship between the two examples.

Question 2 (10 points)

Provide three (3) or more security requirements that the use of a smart card for banking transactions satisfies.

Question 3 (10 points)

What is the main difference between selecting security mechanisms that address the security requirements of a given project and performing security architecture of the project.

Question 4 (10 points)

Describe in one or two statements the open design security design principle and provide an example that illustrates it.