CS336 Homework Assignment #1

Due Friday, Sep. 3rd 5:00 pm on BbLearn

Points: 50 pts

1. Distinguish between vulnerability, threat, and control.
2. Give 3 examples of violation of availability, 3 examples of violation of confidentiality, and 3 examples of violation of integrity.
3. Describe a situation in which you have experienced harm as a consequence of a failure of computer security. Was the failure malicious or not? Did the attack target you specifically or was it general and you were the unfortunate victim?
4. Consider a program to display on your website your city's current time and temperature. Who might want to attack your program? What types of harm might they want to cause? What kinds of vulnerabilities might they exploit to cause harm?
5. Consider a program that allows consumers to order products from the web. Who might want to attack the program? What types of harm might they want to cause? What kinds of vulnerabilities might they exploit to cause harm?

Please include your name, homework number in your homework. Although the homework will be submitted on BbLearn, there will be no name on the paper copy if you do not write down your name.

No short answers. Well explain your answers.

Homework can be submitted multiple times before the deadline. Only the last version will be graded.