Homework 1

CSE 4471: Information Security
Instructor: Adam C. Champion

Due Date: Thursday, June 4, 2015 in class

4 points possible

Your answers to the homework questions need to be typed. A hard copy needs to be submitted in class by the due date (Thursday, June 4, 2015). Please provide references for all your sources.

This homework covers Parts 1–4 of the course material.

1. I’ve placed a box of “very good” cookies on top of the head of the statue of William Oxley Thompson that stands in front of the OSU Main Library. Create an attack tree for getting the cookies. Your attack tree must have at least 3 top-level attacks and flesh these out to a depth of 4 (counting from the goal: get the cookies). You can also consider attacks that deprive others and me from eating the cookies (though I have no idea why you’d pass on eating these cookies...). Here’s an example: (2 points)

2. Describe how outsourcing can be used for risk transference and the issues that may arise. (2 points)

You can use whatever software you like to produce the attack tree in Problem 1, but handwriting is not acceptable. For examples, you can use MS Visio (Windows), OmniGraffle (Mac OS X), or Dia (Windows, Linux). Please make sure your attack tree is legible; black text on a white background is preferred.