**CMU SE 17-627 Software Security Engineering**

Homework Assignment #4

**Nancy Mead Due: Date shown on syllabus**

**READINGS:**

Software Security Engineering Chapter 6

Paper: Measuring the Software Security Requirements Engineering Process

Paper: Attack Surface Measurement <http://www.cs.cmu.edu/~pratyus/as.html>

**DISCUSSION/EXERCISE:**

Objectives:

* Learn to do attack surface analysis
* Learn how to reduce the attack surface

Assignment:

1. Download the Microsoft Attack Surface tool and follow the download instructions to model the attack surface on your computer. If you are unable to do the download and execution, do as much as possible by hand. Either way, include the results. (40%)
2. What did you learn as a result of the attack surface calculation? (20%)
3. Will you make changes to your configuration OR to a development project on the basis of the attack surface video and your analysis? What are they? (40%)