

CSE 484 (Spring 2012), Homework 3 (Extra Credit). You can turn this in any time before 7pm on June 11 (no extensions allowed).

Please include your name and UWNNetID on each page of your submission.

Computer Security in Film

This is designed to be both an educational and fun assignment.

Have you ever watched a movie / TV show that included something related to computer security? Perhaps the movie / TV show included some technology that was designed to provide some level of security? Was the technology realistic? Was it secure? Is it even possible for that technology to be secure? Or perhaps the movie / TV show included some sort of “hacking,” e.g., the main characters bypassing some sort of security mechanism in order to achieve a goal.

For this assignment, you are to critique a portion / scene of a movie / TV show from a computer security perspective. Reflect on both the scene of the movie / TV show and this course materials.

You may watch the movie / TV show in a group, and discuss your answers in a group, but your write-up must be your own.

Your writeup should be a PDF document, with the following structure:

- File name: hw3-<your-UWNNetID>.pdf
- First page: include your name and UWNNetID at the top
- Answer these questions:
 - What movie / TV show did you watch?
 - Which classmates did you watch the movie / TV show with? (It's OK to watch it with people outside the class too; you don't need to include their names here.)
 - Which scene of the movie / TV show are you reflecting on? Please be as specific as possible, e.g., the scene starting 1 hour and 15 minutes into the movie. (If you saw the movie in a theater and don't know the precise start time of the scene, then say that and approximate.)
 - Summary of scene. Provide a detailed summary of the scene.
 - Summary of technology. What technology is used in the scene?
 - Reflection. Provide a detailed reflection of the scene and associated technology from a computer security perspective. Whenever possible, cite specific lectures / slides in the course and / or specific sections of the textbook. Your reflection might discuss issues like:
 - What parts of the scene were realistic? Unrealistic? And why?
 - How would you make the scene more realistic? Why would your alternate scene be more realistic?
 - If the security feature in the scene was insecure in some way, how would you attack it? How long would it take you to attack it? Would your attack

be detectable?