CS 491/591 Spring 2013 Project – 90 points out of 100 total for the class final project (the proposal was 10 points)

The proposal was part 0 of your class project.

Part 1 (45 points out of 90, due as a presentation in class on Thursday, 11 April 2013): For part 1 you should prepare a 5-10 minute presentation to be given in class on Thursday, 11 April 2013. By this point you should have found a vulnerability, and be able to demonstrate a basic exploit of the vulnerability. It's okay for the demo to be on slides, as long as it's a real exploit you performed—especially if your attack requires multiple virtual machines then slides with, e.g., tcpdumps on them would be better.

Part 1.5 (no points, but a good idea if you want to get a good grade on part 2): Before midnight on Friday, 12 April 2013 you should get confirmation from me that what you plan to do for part 2 is good enough.

Part 2 (45 points out of 90, due as a one-page drawing and paragraph—same format as the labs—in class as a physical turn-in on the last day of class, Thursday, 2 May 2013. You should do an advanced form of attack. For example, you could disable stack execution and do a return-oriented-programming exploit, confuse an IDS intro re-constructing different TCP flows without using any packet fragmentation, etc. Now would be a good time to start bouncing ideas off of me for part 2.