**Project**

Select ***one*** of the following options:

1. Select a tool covered in our book or class videos to feature in a PowerPoint presentation. Record a video of you presenting that includes a high-quality presentation focused on some aspect of the book, 12 minutes (no longer). This should be a high-quality slide that shows mastery of the material. You should plan for roughly 50% presentation and 50% demo. The demo could be slightly longer, if exceptionally well-done content. Both of these should reflect **mastery** of the tool, noting advanced features, and not simply demonstrating basic familiarity. The slides must be created by you; do not use other slides made by others. Upload this to a streaming video site, such as Youtube, and share your presentation with fellow students in the tool presentation discussion board. Practice first! Submit the PowerPoint file to dropbox.
2. Find and master some penetration testing or ethical hacking tool that we have **not** discussed in class. Sign up for the tool on the Google Sheets linked to on the discussion board. Create a 12 minute video on it. This should include a high quality, detailed PowerPoint presentation, and you should spend about 50-60% of the time competently demonstrating the tool, showing mastery. The slides must be created by you; do not use other slides made by others. Upload this to a video streaming site and share it with the class. You must demonstrate full **competency** in this tool.
3. Develop your own penetration testing tool, in any language you see fit. Provide a 8-12 minute talk where you discuss the tool and demo it. **The tool must be functional.** Email and seek approval, presenting a brief proposal of what you hope to accomplish and do with the tool. You must begin this by **October 31st**, and you must submit a status report with sample code by **Nov. 10** and a description of how it is progressing. Even if it is still early on in the development then, you must do this to demonstrate you are making efforts. If you do not do this, you are ineligible for this project, and must move to option 1 or 2 for the project. Bonus points may be given depending on the quality and effort expended.
4. Find some advanced use of Metasploit. Write a proposal of what you intend to do to instructor for approval by email by **October 31st**. You must submit a status report by **Nov. 10** by email to demonstrate adequate progress; failure to do this will mean you must select options 1 or 2 for the project. Bonus points may be given depending on the quality and effort expended.

**Feedback:**

Additionally, you must watch and comment on at least **three other student** projects. Comments should be at least 100 words to count. Comments must be meaningful and address the content in the video, demonstrating you viewed it. Points will be taken off if this activity is not completed.

***Deliverables:***

1. A discussion board post containing a link on streaming site, such as Youtube, for a video for 2.a. or 2.b. No written discussion is required.
2. Place the PowerPoint in the dropbox (if options 1 or 2).
3. Responses of 100 words or more to three other students, adhering to guidelines above.