Final Project - Team

Published

Attendance by all is *required*

Deliverables:

1. A group presentation that is 10 to 15 minutes on the topic you choose from the list below. Each individual in the group must present: presentation time should be balanced between team members. The presentation must use visual aids of some form (Power Point/ Impress, overheads, live code examples, etc.). Presentations will be last regular week of class.

2. A well-written write-up of your findings. The write-up should include a cover page, index of some form, core content, then **references**, sample code, etc. at it's conclusion. The write-up should be at least ten pages in length (excluding references, source code, etc.), double spaced, with one inch margins, font size 12.
3. Submit to Canvas a zip with your materials from 1 and 2.

NOTE 1: The audience to whom you should write are those that have the basic knowledge we do based on what we've learned in the class.
NOTE 2: While you will focus on a specific area, try and tie in other subjects we have discussed throughout the quarter with what you are doing.

The point of the project is to take something we've looked at to a deeper level (don't just regurgitate what we've already discussed, teach us something we didn't know -- you will be graded on this!).

Choose from the topics below:

- Web Site Security: Attacks and Defenses
  - discussion can include subjects other than cross site scripting, man in the middle, and SQL injection attacks
  - include code samples
- Operating System Security
  - discussion can include: access control and file system security, user authentication, authentication in remote file systems, intrusion detection
  - once again, include code samples
- Network Security
  - discussion can include: security issues with existing protocols, firewalls, denial of service attacks, package sniffing

    - include code samples
- Threat model of an ATM system (or?)
    - Identify parts of the system (user interface, data base, etc.), how they will be represented, who will have access
    - Perhaps use STRIDE as part of modeling process
    - Identify security features the different components of the system should have (e.g. where should crypto be used and what type, etc.)
- Crytpo
- Buffer overflow on heap (include working example)
- Race condition (include working example)
- Other: see me if you have something else in mind

Points	200
Submitting	a file upload
File Types	zip

Due	For	Available from	Until
Dec 6, 2018	Everyone	-	-

Final Project Rubric

Criteria	Ratings	Pts
Presentation Good content, good flow and organization, voices projected, slides readable and understandable		40.0 pts
Mechanics Appropriate length, good flow, 1-inch margins, double spaced, 12 point font, at least 10 pages, grammar and spelling correct, resources sited in an understandable manner		60.0 pts
Core content Topic is properly introduced, well-explained, includes supporting ideas/code as necessary, has summary/conclusion that ties paper together as necessary		100.0 pts
		Total Points: 200.0