

# Final Project Topic Selection

✓ Published



Choose a topic for your final project. Post your selection with details (probably a paragraph worth) of what you intend to deliver as a .pdf

Choose from the topics below:

- Web Site Security: Attacks and Defenses
  - discussion can include subjects like cross site scripting, man in the middle, and SQL injection attacks
  - include code samples and defense
- 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 and defense
- Network Security
  - discussion can include: security issues with existing protocols, firewalls, denial of service attacks, package sniffing
  - include code samples and defense
- 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.)
- Crypto
- Buffer overflow on heap (include working example)
- Race condition (include working example)
- Other: see me if you have something else in mind

**Points** 5

**Submitting** a file upload

**File Types** pdf

**Due**

**For**

**Available from**

**Until**

Due	For	Available from	Until
Nov 9, 2018	Everyone	-	-