Lecture 7: April 14, 2021

Reading: *text*, §24.5, 27.1–27.2   **Assignments:** Homework 2, due April 21, 2021
Lab 1, due April 19, 2021

1. The models and levels of abstraction

2. Some common vulnerabilities

    (a) Catalogues: CVE (Common Vulnerabilities and Exposures), CWE (Common Weakness Enumeration)

    (b) 2011 MITRE/SANS Top 25 Most Dangerous Software Errors

    (c) OWASP Top 10 – 2017 The Ten Most Critical Web Application Security Risks

3. Attacks

4. Representing attacks

    (a) Attack trees

    (b) Requires/provides model

    (c) Attack graphs