Outline for November 13, 2023

Reading: *text*, §23.3–23.7, 23.9   **Assignments:** Homework 4, due November 22;
Project Progress Report, due November 22

1. Computer virus
   (a) Brief history
   (b) Infection vectors: boot sector, executable, multipartite, macro
   (c) Concealment: TSR, stealth, encrypted, polymorphic, metamorphic
2. Computer worm
3. Bots and Botnets
4. Miscellaneous malware
   (a) Rabbits, bacteria
   (b) Logic bombs
   (c) Adware, spyware, ransomware
   (d) Phishing, spearphishing
5. Defenses
   (a) Scanning
   (b) Distinguishing between data and instructions
   (c) Containment