Outline for October 6, 2023

Reading: text, §5.2.2, 5.3, 6.1–6.2, 6.4

Assignments: Homework 1, due October 9
Project teams, question, due October 11

1. Example: Trusted Solaris
2. Tranquility
   (a) Declassification problem
   (b) Strong tranquility
   (c) Weak tranquility
3. Requirements of integrity models
4. Biba Model (strict integrity policy)
5. Clark-Wilson Model
   (a) Theme: military model does not provide enough controls for commercial fraud, etc. because it does not cover the right aspects of integrity
   (b) Components
      i. Constrained Data Items (CDI) to which the model applies
      ii. Unconstrained Data Items (UDIs) to which no integrity checks are applied
      iii. Integrity Verification Procedures (IVP) that verify conformance to the integrity spec when IVP is run
      iv. Transaction Procedures (TP) takes system from one well-formed state to another