March 6, 2014 Outline

Reading: §17, paper [S+09]  
Assignment due: Homework #4, due March 17, 2014 (*no lates!!!*)  
Project, due March 21, 2014

1. Mitigating covert channels  
   a. Preallocation and hold until process terminates  
   b. Impose uniformity  
   c. Randomize resource allocation  
   d. Efficiency/performance vs. security  
2. Overview of process in Yolo County  
3. Where electronic voting systems come in; how they work  
   a. Optical scanning systems  
   b. Ballot marking devices  
   c. Direct recording electronic devices  
   d. Vote tabulation servers  
4. Goals of voting  
   a. Accuracy of count  
   b. Integrity of ballot  
   c. Privacy of voter (both from vote selling and from observation)  
   d. Auditability  
   e. Usability, both by voters and by election staff  
   f. Other requirements