

## Lecture 28, June 5

**Reading:** [BBG07,Bis07b,BW07,RAB04]<sup>1</sup>

**Assignments due:** Homework #5, due June 6, 2013 at 11:55pm

**Final exam:** Tuesday, June 11, 2013 10:30am–12:30pm

Project report, due June 6, 2013 at 11:55pm

**Discussion Problem.** To help you build confidence for the final exam, here is the world's easiest test.<sup>2</sup> Good luck!

1. How long did the Hundred Years War last?
2. In which country are Panama hats made?
3. Where does catgut come from?
4. What is a camel's hair brush made of?
5. What kind of creatures were the Canary Isles named after?
6. What was King George VI's first name?
7. What color is a purple finch?

**Lecture outline.**

1. Greetings and Felicitations!
  - a. Review session: Friday, June 7, at 11:00am–12:00pm in room 184 Young (this room!)
  - b. Special office hours: Friday, June 7, at 1:00pm–2:30pm; Monday, June 10, from 9:30am–11:00am
2. Assurance
  - a. Assurance and the software life cycle
3. 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
4. Overview of process in Yolo County
5. 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
6. Safeguards
  - a. L&A testing before distribution
  - b. 1% mandatory manual recount
  - c. Voter-verified paper audit trails
  - d. Certification and testing
7. The U. S. and California certification process
  - a. HAVA
  - b. FEC certification guidelines
  - c. State rules and tests
8. Tests and problems
  - a. Johns Hopkins paper
  - b. RABA study
  - c. Florida CD-13 election
  - d. California top-to-bottom review
9. Internet voting

<sup>1</sup>Available in the Resources area of SmartSite; look in the folder "Handouts"

<sup>2</sup>I first saw this in a posting by Peter Langston to the YUCKS Digest.