Lecture 20 Outline
June 2, 2016

Reading: text, 18; [BBG07,BW07,RAB04]  
Assignments due: Homework 5, on June 6

1. Greetings and felicitations!
2. 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. 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. 1% mandatory manual recount
   b. Voter-verified paper audit trails
   c. 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. California top-to-bottom review
9. Internet voting
10. Review for final

Discussion Problem. To help you build confidence for the final exam, here is the world’s easiest test.¹ 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?

¹I first saw this in a posting by Peter Langston to the YUCKS Digest.
Discussion Problem. To help you build confidence for the final exam, here is the world’s easiest test.\(^2\) Good luck!

1. How long did the Hundred Years War last? \textit{116 years (from 1337 to 1453).}
2. In which country are Panama hats made? \textit{Ecuador.}
3. Where does catgut come from? \textit{From sheep and horses.}
4. What is a camel’s hair brush made of? \textit{Squirrel fur.}
5. What kind of creatures were the Canary Isles named after? \textit{A large breed of dogs. The Latin name was Insularia Canaria — “Island of Dogs”.}
6. What was King George VI’s first name? \textit{Albert. When he came to the throne in 1936, he respected the wish of Queen Victoria that no future king should be called Albert.}
7. What color is a purple finch? \textit{The distinctively colored parts are crimson.}

\(^2\)I first saw this in a posting by Peter Langston to the YUCKS Digest.