

Homework 2

1. Voice voting is the method of casting a vote in the 'open air' for everyone present to hear. Which of the following security requirements do paper ballots satisfy **better** than voice voting? Check all that apply and give a brief explanation for your decision.
 - Integrity
 - Enfranchisement
 - Ballot secrecy
 - Voter authentication
 - Availability
2. Explain how an attacker can use chain voting in order to influence the outcome of a poll using paper ballots.
3. Which of the following mechanisms help with defending against chain voting? Check all that apply. Give a brief reason for each defence that mitigates chain voting attacks.
 - Using a glass ballot box to make it clear there are no ballots in the box before the start of the election.
 - Distributing ballots publicly before the election.
 - Checking that a voter's ID (drivers license, passport) matches the voter.
 - Each ballot has a unique ID. When a voter is given a ballot, the ID is recorded. When the voter submits his or her ballot, this ID is checked against the record.
4. What is the main difference between online banking and e-voting? (Hint: Why is the latter so hard to get secure?)