

CSE 484 In-Class Worksheet #2 – Autumn 2018

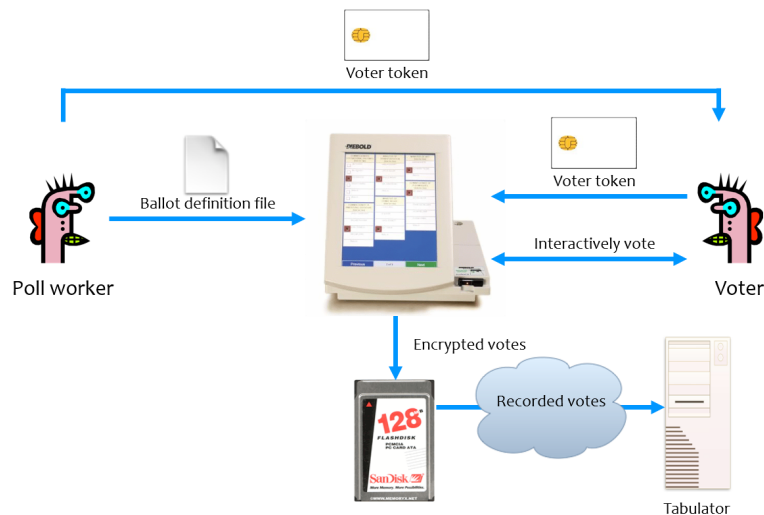
Name: _____ UWNNetID: _____ Date: _____

Email address: _____

Partner names for this activity: _____

Will you want to pick up your worksheet later? Circle one: Yes / No

Paperless electronic voting machines are designed to allow voters to vote without needing to use paper, which some argue is more cost effective and also easier and less error-prone than previous paper-based methods.



Q1: What potential security problems do you see with the electronic voting system described in class and shown above? What **assets** must be protected, and what potential **threats or vulnerabilities** do you see?

Q2: Who are the **adversaries** who might try to attack this electronic voting system, and what might be their resources / capabilities / level of access? What might be the attacker's goals?

Q3a. Pick a system – it might be social (like rules of etiquette), economic (your bank’s website), electronic (the lock on a car), physical (the lock on a door), governmental (a voting machine), bureaucratic (the process for getting a passport). Describe your system briefly (1-3 sentences):

Q3b: Write down 2-3 assumptions that the designers / implementers of the systems in Q3a likely made that, if proven to be untrue, might cause the system to fail in interesting ways. Namely, write down each assumption, and then write down how the system might fail if that assumption is proven to be untrue

1.

2.

3.