Week 9 Brief

11/9/21

Team Activities

- IoT Device Selection
  - Each selected our favorite device
  - Detailed why our device should be what we do
  - Voted on top two
  - Had top two give concept sketch on "final product"
  - Selected "Smart Power Strip"
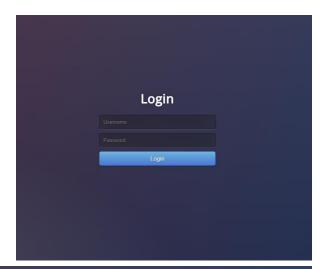   - Think multiple smart plugs all connected together

Virtual IoT Device Basic Criteria

- A device that most businesses would have at a "normal" office or building

- Gaining unauthorized access to the device would cause a disruption of mandatory services if an attacker desired

- Have an app/website associated with this device

Smart Lock

- https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2016-1148
- Can be hacked to gain access to restricted areas
- Can be hacked to prevent main users from gaining access
- Due to SSL vulnerability, potentially passwords to other systems may be compromised
- If system loses power and users lack physical key, access is still denied (similar to Facebook's fiasco)

Website Layout

This week "To Do"

- Begin implementing smart plug features
    - Script and website
- Professionalism Assignment
- Physical Camera Implementation
- VirtualBox CDC with smart plug or camera
- Check in with Doug and CDC staff
    - VM space
    - CDC scenario