Class Activity - Top Hacker Shows Us How It is Done

Objectives
Understand vulnerabilities of wireless and other common technologies

Part 1: View the TEDx Video "Top Hacker Shows Us How It's Done; Pablos Holman at TEDxMidwests"
Part 2: Answer the following questions

a. What is the vulnerability being exploited?

- The person plugs a small device to the TV to make it a node on a network which is a infrared transceiver which can be used to send codes that TV remote might send. Using this he can control all the TVs in his hotel room.
- He has a device Hackerbot which drives around the Hotel room and Wi-fi users.
- They made a pistol version of Hackerbot for password sniffing.
- A javascript code was being added into Myspace which automatically adds a person to the attackers friends list.

b. What information, data, or control can be gained by a hacker exploiting this vulnerability?

- TV can be controlled by the attacker which can gain information about the person that uses it
- Hacker bot can grab passwords of the scanned networks
- Pistol version also can sniff passwords to long range
- The javascript code adds any person to the attackers friends list in Myspace

c. How is the hack performed?

- The TV hack is performed by using infrared transceiver.
- Hackerbot is a type of robot created by an attacker to sniff password in a specific range.
- A vulnerable javascript has been provided by an attacker which automatically adds up friends list of the persons who visits the vulnerable page

d. What about this particular hack interested you specifically?

The TV hack interested me most because by using a small infrared transciever we can control all tv's of a hotel room and this is something new than what i heard of so far.

e. How do you think this particular hack could be mitigated?

We can cover the infrared sensor or keeping universal remote or using signal jammer can mitigate this hack