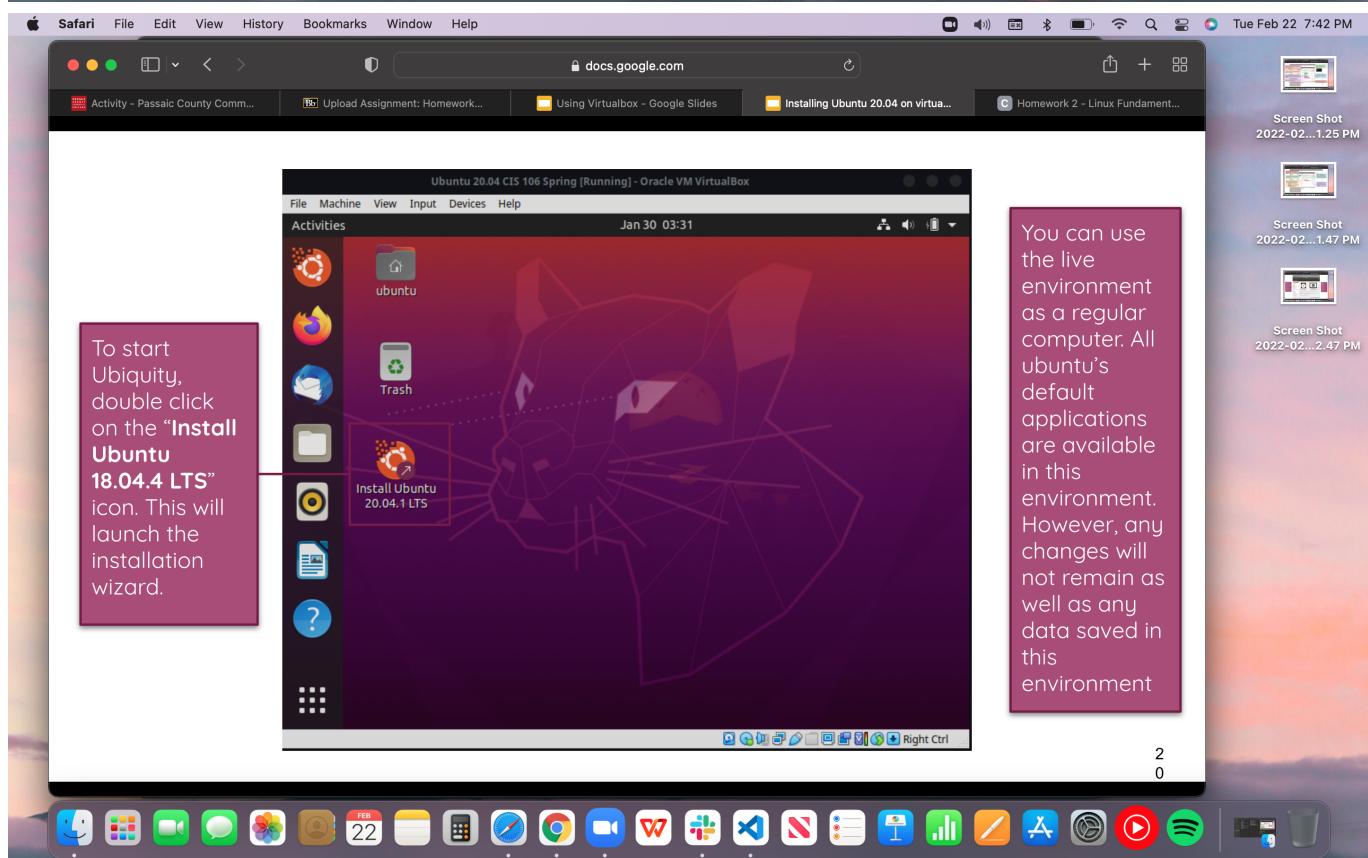
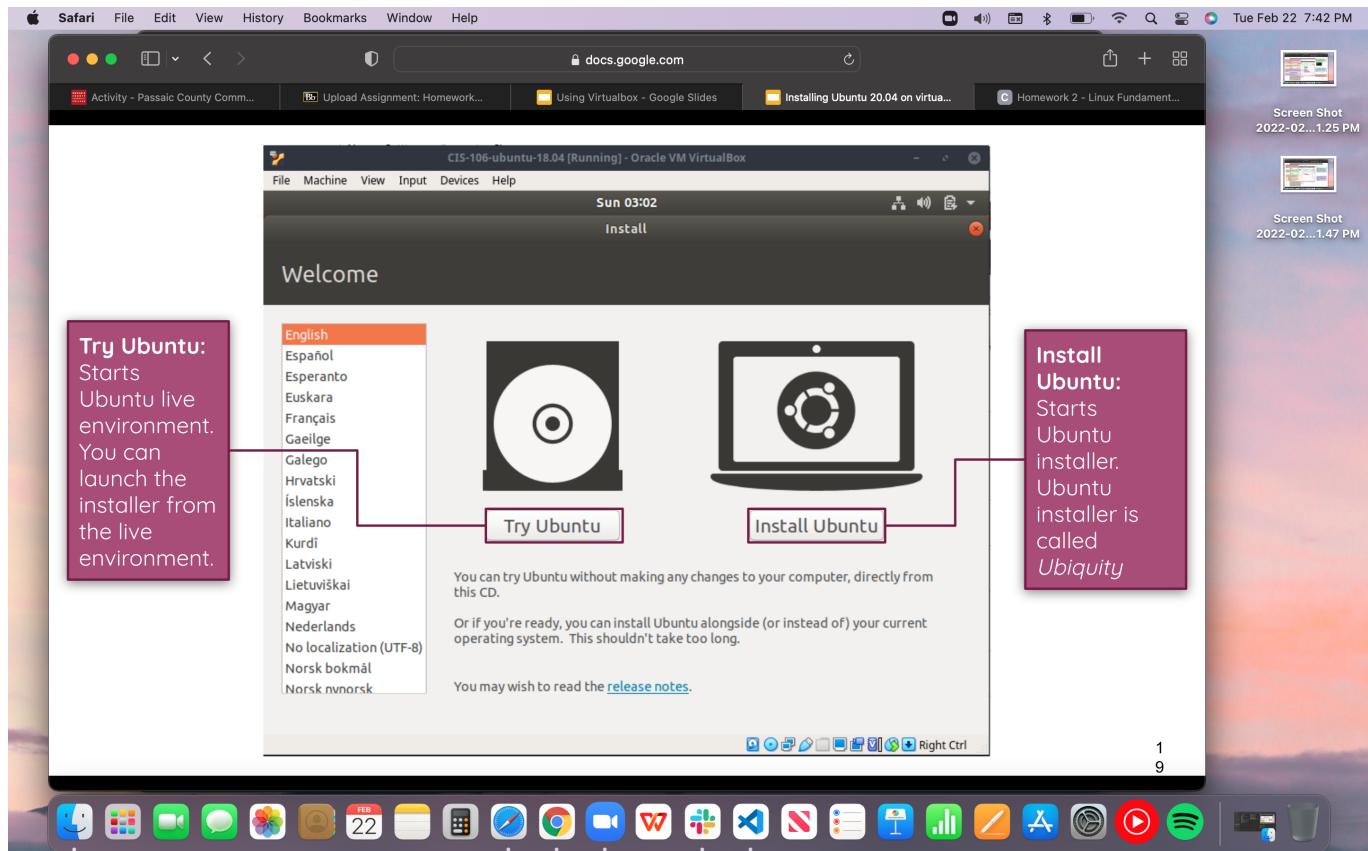


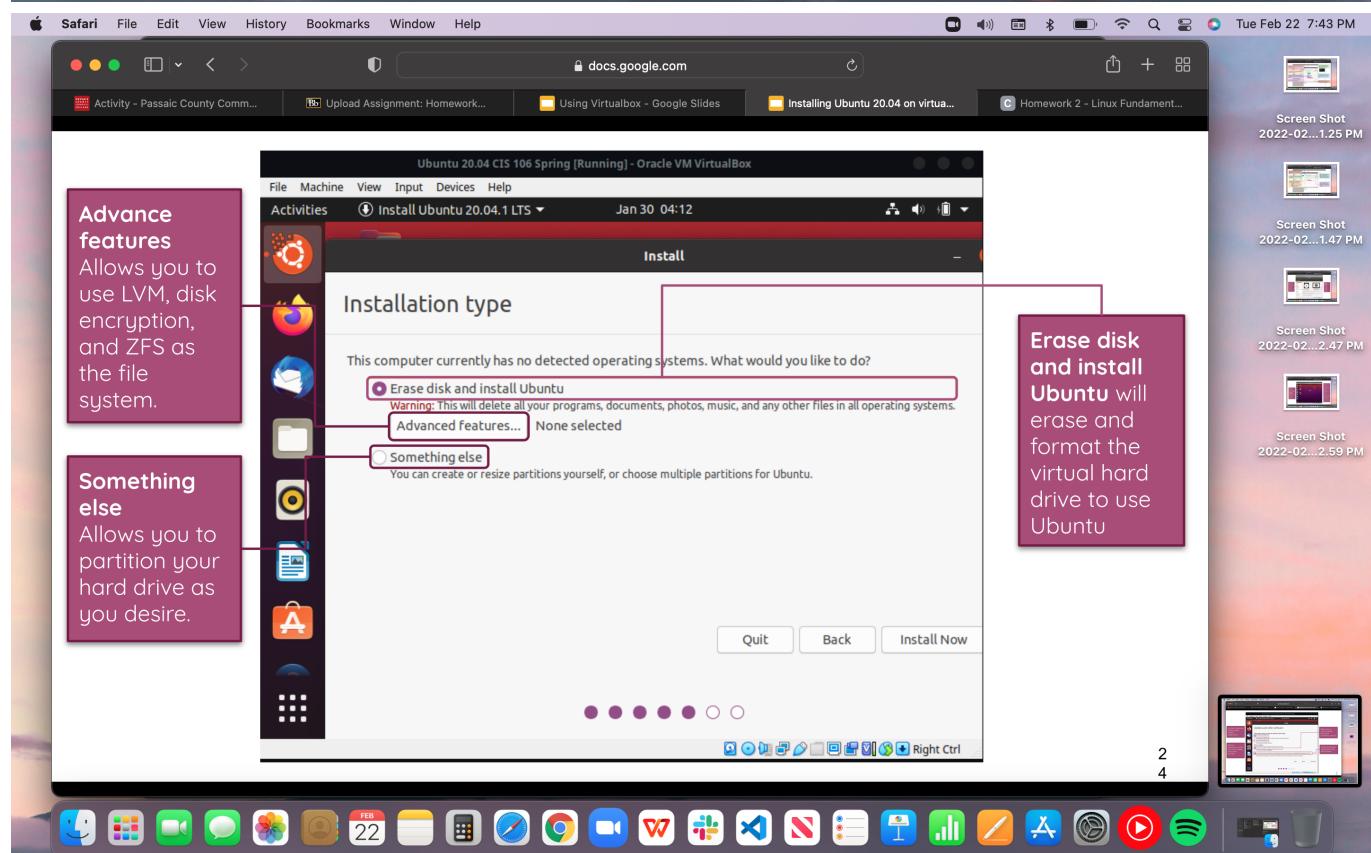
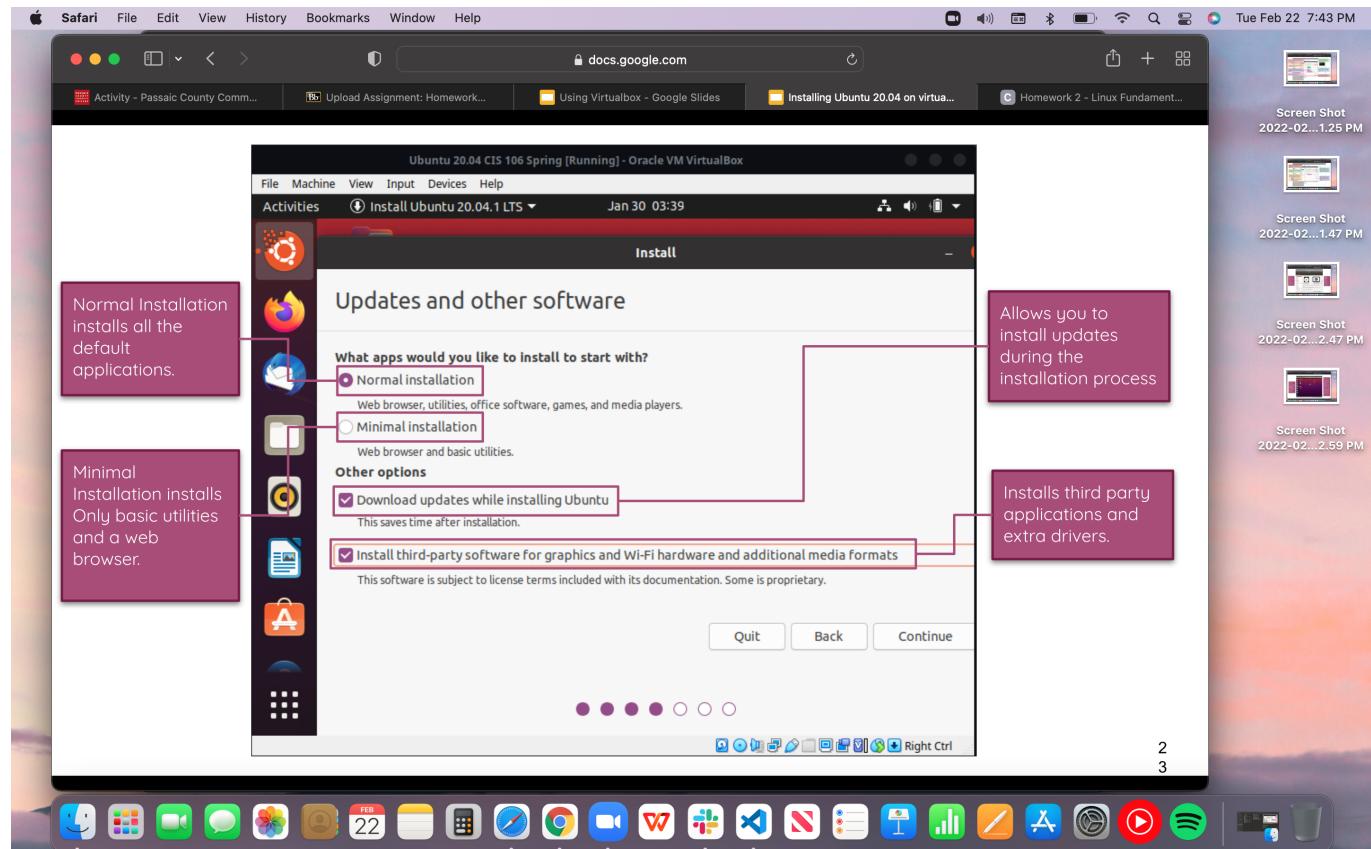
Week Report 2

Summary of Presentations

Virtualization is the replication of hardware to simulate a virtual machine inside a physical one. Two types of virtualization are; server-side virtualization and client-side virtualization. Server-side virtualization provides a desktop to all users and client-side virtualization manages virtual machines. Some benefits of virtualization are, allowing multiple OSs run on one machine and allowing applications to be tested before installing them on a host machine. Type 1 hypervisor runs on hardware such as VMware ESX and ESXi. Type 2 hypervisor runs on a host operating system such as Oracle VirtualBox. VirtualBox is a very powerful type 2 virtualization product for enterprises and at home use.

Installing Ubuntu in VirtualBox



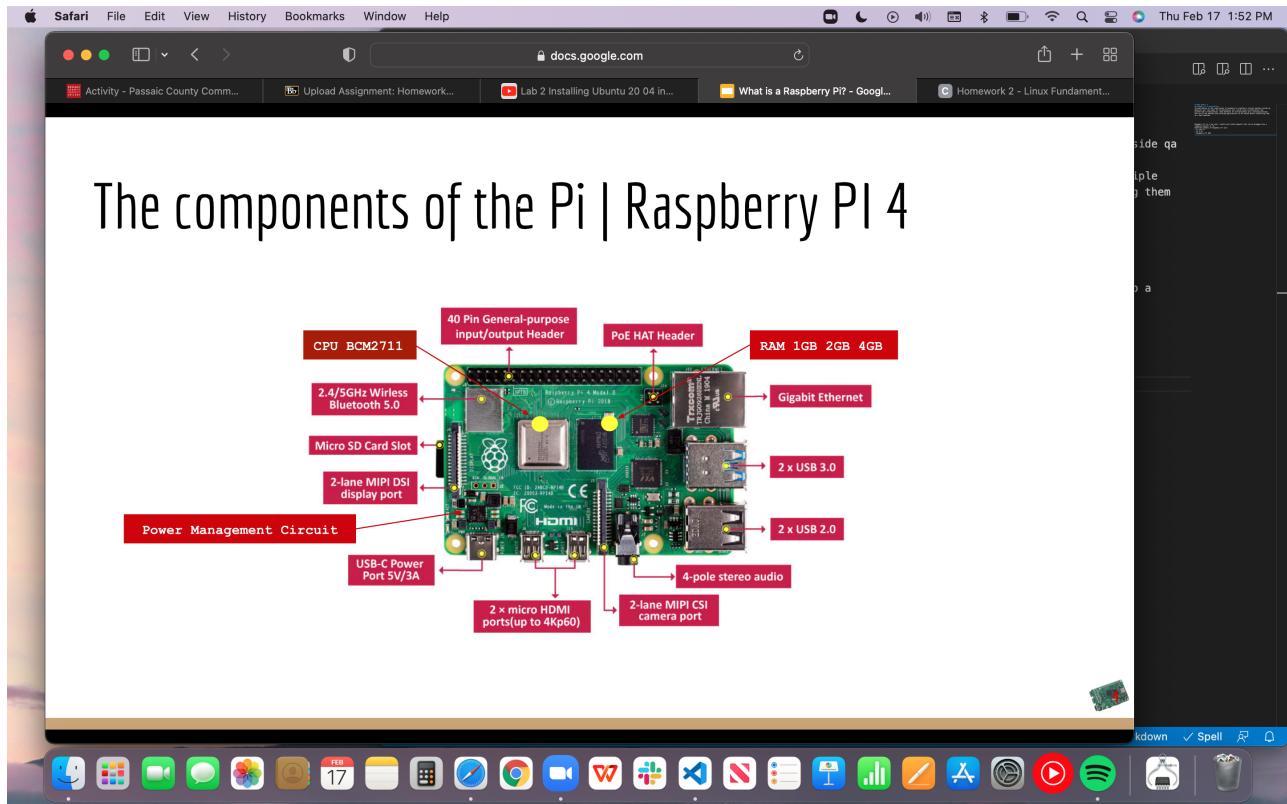


Raspberry Pi

Raspberry Pi is a low cost, credit-card sized computer that can be plugged into a computer monitor or TV. Different models of Raspberry Pi are:

- Pi zero W
- Pi 3 A+

- Raspberry Pi 400 Here are the specs of the latest model of Raspberry Pi 4:



5 projects I can do using Raspberry Pi are:

- Security system
- Robot
- Music streaming
- Game console
- WiFi extender