Computer Hardware Revisited

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CS-E1 - Fall 2011

Computer Hardware Revisited

+ Homework overview (blogs and wikis)

+ Review and update on lecture material

+ Software/ Pirates of Silicon Valley

Homework

+ Create an FAS account (https://idm.fas.harvard.edu/new)

+ Read Ch. 1 - 3, Spotlight 3 of *Computers Are Your Future*, 11th Edition

+ Write your first blog post!

+ Write your first Wiki article!

History of the Blog

+ Derives from weblog

+ Often self-published

+ As of Feb. 2011 there were over 156 million blogs!

+ Common platforms include WordPress, Blogger, et al.

+ Designed to distribute content freely and openly

+ Can be a monologue or dialog (if comments are an available feature)

Wordpress Logo

Blog Jargon

+**Blogger**: one who partakes in writing entries for a blog

+ **Blogosphere**: community centered around blogging

+ **Permalink**: a link (URL) to an individual post

+ **Spambot**: computer program that collects personal info to spam

+ **Vlog**: video blog

+ **Atom**/ **RSS**: or "feeds," subject to frequent changes

+ **Moblog**: mobile blog

+ **Podcast**: an audio stream related to a blog's content

+ **Tagcloud**: a collection of related keywords/ tags

History of the Wiki

+Hawaiian for "fast"

+ Started by Ward Cunningham

+ Anyone can edit and create content

+ Written in a markup language like BBCode or WYSIWYG editor

+ Most popular implementation: WikiPedia

+ WikiPedia has over 15 million articles

WikiPedia Logo

Review

+ SATA

+ LCD

+ USB

+ RAM

+ CPU

+ PCI

+ VGA

+ Wi-Fi

Review (Cont.)

+ What is the interface one would use to provide Bluetooth capabilities to a desktop PC?

+ What is the hardware component that most directly affects the ability of a PC to multi-task?

+ What is a unit of storage that would be most appropriate in measuring the file size of an MP3 music file?

+ What is the following palindrome in base 10: **110011**?

Input

+ <u>Pointing Device</u>:
- Mouse
- Trackpad

+ <u>Text</u>:
- Keyboard

+ <u>Visual</u>:
- Webcam

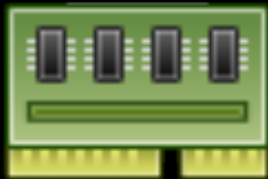+ <u>Audio</u>:
- Microphone

Output

+ <u>Textual/ Visual</u>:
- Printer
- Monitor

+ <u>Audio</u>:
- Speakers

<u>Apple Magic Mouse</u>

The Intel Core 2 Duo line has been replaced with the Intel Core i series.

The average PC in 2011 includes at least 2GB of RAM, but 4GB is considered optimal

In August 2011 over 85% of web capable devices had a resolution higher than 1024 x 800px.

Exam One

+ 120 minutes/ 2 hours in duration

+ "Closed-book," so no notes!

+ Held from 5:30 - 7:30PM Tuesday, October 18th

+ All content from lectures is fair game

+ Tuesday, October 11th is preparation date.

Cartoonstock

Next Week

+ **Software**: from operating systems to mobile applications and everything in between.

+ **Movie night!** *Pirates of Silicon Valley*: the story of Apple and Microsoft inc. following their founders Steve Jobs and Bill Gates and the start of a revolution!

+ Section held same time, same place: Sever Hall 306 from 5:30PM - 7:30PM.

Fin

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