Fluency

Fluency has been a huge amount of work ... have you learned anything???

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Goals of FIT100

FIT100 is designed to ...
- Make you better users today
- Prepare you to learn more IT as you need it throughout your life
- Upgrade your thinking, making you a better reasoner, problem solver, trouble-shooter, etc.

How have we done?

The Topic List ...

We covered the following topics
- Importance of vocabulary: abstraction
- Learning an app on your own: click/blaze
- Basics of the Internet, domains, TCP/IP, ...
- HTML programming: tags, tags, tags
- Structuring information, queries, Google
- Truth or Fiction? Misleading Web Page
- Debugging guidelines ... how to do it

The Topic List ...

- Digital representation -- using bits
- Computer basics and SI technology
- Algorithms -- sorting with pizza boxes
- Programming ideas After Image
- Building a GUI in HTML/JavaScript
- Functions -- biggest idea in software
- Iteration, looping over & over & over &
- Animation, making things happen

The Topic List ...

- Digital Media, colorizing, binary, MP3,
- Database basics, operations on tables
- Logical Databases -- views and queries
- DB design chalk talk CIA Data
- Netiquette, viruses, worms, email
- Privacy -- opt-in/opt-out, you decide
- Security, hiding secrets w/encryption
- Do computers think? Turing tests
- ... and today the wrap-up

Fluency Topics

Fluency topics can be classified as
- Skills
- Concepts
- Capabilities
Skills

Skills are the ability to use computers today to solve your problems

- You have learned new applications … FTP, Photoshop, Access, …
- Better yet, you’ve learned how to learn applications: “Click Around,” “Blaze Away”
- You should be an aggressive, confident user
- Could you learn your next application on your own?

Concepts

Concepts are the foundation of future learning … you should be ready

- You know how the Internet’s TCP/IP works (postcards), how a computer works (F/E cycle), how JavaScript makes animations
- And privacy, netiquette, writing queries, …
- We don’t know what the next technology will be, but it will look familiar to you because you’ll see ideas you know

“Popularized” technology should be understandable

Capabilities

The most ambitious goal of this class is to expand your thinking

- Reasoning, debugging, finding information, designing pages or databases, problem solving, research, expecting unexpected,…
- It’s not easy to learn these things … was debugging ever fun???
- All capabilities will be used beyond IT!

By surviving FIT100, you’ve become a better student!

Survey

FIT Pioneers

Our experience in this class will make FIT100 better for UW students, and students across the world

When you do something clever because of FIT100, tell me: snyder@cs.washington.edu