Announcements

• Due dates:
  * Monday, June 9, before noon
    • Lab 11
  * Tuesday, June 10, before noon
    • Project 3B
  * Wednesday, June 11, before noon
    • Project 3B for 1-1-1 rule
    • Extra Credit Paper
Announcements

• Drop-In Labs:
  * This afternoon 4-6pm MGH 030
  * Monday 1:30-6:30pm MGH 030
  * Wednesday 8:30am-Noon MGH 430

• Class mailing list
Today’s Agenda

• Course wrap-up (10 minutes)
• Lecture evaluations (15 minutes)
• Reflection Paper (5 minutes)
• Questions on Project 3B (optional)
Fluency has been a huge amount of work ... have you learned anything???
Goals of FIT100

FIT100 is designed to …

* Make you better computer 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? Bogus Web Page
* Debugging guidelines ... how to do it
The Topic List ...

* Digital representation—using bits
* Computer basics and Silicon technology
* Algorithms—sorting with CDs
* Programming ideas—Mad Libs
* Building a GUI in HTML/JavaScript
* Functions—biggest idea in software
* Iteration—looping over & over & over &
* Animation, making things happen
The Topic List ...

* Problem solving, troubleshooting

* JavaScript summary
  • loops, prefetching, animation, mouseOver, functions, ...

Memory Bank

a convenient table of all the computations I can never remember

Tue Feb 17 17:18:33 2004

<table>
<thead>
<tr>
<th>Celsius to Fahrenheit</th>
<th>Fahrenheit to Celsius</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celsius:</td>
<td>Fahrenheit:</td>
</tr>
<tr>
<td>Fahrenheit:</td>
<td>Celsius:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Body Mass Index</th>
<th>English</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>Weight</td>
<td>BMI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electronic Coin Flip</th>
<th>Flip</th>
<th>Outcome</th>
<th>Totals: H</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick A Random Number From 1 To 10</td>
<td>Pick</td>
<td>Outcome from the range:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IMPORTANT LINKS

References ... | Computer Dictionary | Thesaurus |
Classes ...     | Turing Class | Programming |

I'm 619255113 seconds old. What am I doing with my life?
The Topic List ...

* Digital Media, colorizing, binary, MP3,
* Database basics, operations on tables
* Logical Databases—views and queries
* DB design chalk talk—Student Athletes
* Netiquette, viruses, worms, email
* Privacy—opt-in/opt-out, you decide
* Encryption—hiding secrets from everyone
* Do computers think? Turing tests
* ... and today the wrap-up
Fluency Topics

Fluency topics can be classified as

* Skills
* Concepts
* Capabilities
Skills are the ability to use computers today to solve your problems

- You have learned new applications ... sFTP, Photoshop, Excel, 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
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!
<table>
<thead>
<tr>
<th>Majors</th>
<th>Dept.</th>
<th>Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science and Engineering</td>
<td>CSE</td>
<td>- Programming</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Animation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Etc.</td>
</tr>
<tr>
<td>Informatics</td>
<td>iSchool</td>
<td>- Networking</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Human-Computer Interaction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Web Design (organizing information, user needs)</td>
</tr>
<tr>
<td>DXarts</td>
<td>Art</td>
<td>- Web Design (visual)</td>
</tr>
<tr>
<td>Technical Communication</td>
<td>TC</td>
<td>- Web Design (content)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Documentation for software</td>
</tr>
</tbody>
</table>
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 us:

daclem@u.washington.edu
snyder@cs.washington.edu
And now the evaluation

We’ll do course evaluation ...

* It’s voluntary, but I hope you do it
* Two forms, white and yellow
* Use #2 pencil to bubble in results
* I need a volunteer to collect evals
* In 15 minutes we will do Quick Write 10

I will leave ... and come back in 15 minutes
Quick Write 10

• Put everything away
  ∗ Phone, pda, laptop, notebook, textbook
• Desk should be clear except for pen or pencil
• You have five minutes
Hints and Solutions

PROJECT 3B (OPTIONAL)