

Announcements

• Due date:

- * Monday, March 17, before 11pm
- Lab 13 (extra credit)
- Lab 14 (required)
- Project 3B



• Thanks for telling me about it!



Announcement

- Trying to open some of your Project 3A's,
 * The TA's get "Error: unrecognized database form"
- When you open a database, many files are opened (structure, data files for each table, query, form, report).
- You can't copy a database unless everything has been saved. Safest to close it first.



Announcement

• DA will have office hours on Monday * MGH 430 from 1:30 - 4:30pm



Today's Agenda

- Course wrap-up (5 minutes)
- Lecture evaluations (20 minutes)
- Reflection Paper (10 minutes)
- Project 3B hints & solutions (optional)



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
- \ast 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



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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



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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 Concepts **FIT100 FIT100** Skills are the ability to use computers Concepts are the foundation of future today to solve your problems learning ... you should be ready • You have learned new applications ... sFTP, • You know how the Internet's TCP/IP works Photoshop, Excel, Access, ... (postcards), how a computer works (F/E cycle), how JavaScript makes animations • Better yet, you've learned how to learn applications: "Click Around," "Blaze Away" • And privacy, netiquette, writing queries, ... • We don't know what the next technology • You should be an aggressive, confident user will be, but it will look familiar to you • Could you learn your next application on because you'll see ideas you know your own?

'Popularized" technology should be understandable





Majors at UW

Where to go from here...

Majors	Dept.	Focus
Computer Science and Engineering	CSE	- Programming - Animation - Etc.
Informatics	iSchool	Networking Human-Computer Interaction Web Design (organizing information, user needs)
DXarts	Art	- Web Design (visual)
Technical Communication	TC	 Web Design (content) Documentation for software



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Reflection Paper 4

- You have ten minutes
- When you are done
 - * Pick up reflection paper 3• If you haven't already!
 - * Wait for Project 3B discussion (optional)







Project 3B Part 1

• Query 5

* How many sailors are between 25 and 35 years old and have a rating of 3 or greater?















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Project 3B Part 2

- Which attribute, or column, is not specified properly?
 - Do NOT remove the original column or it will mess up your earlier queries in Part 1!
 Instead, ADD the new column with its proper
 - data type.
 - 7. You do *not* have to create an expression to calculate this value



Project 3B Part 2

- Extending the database
 - * ER means Entity-Relationship, like you see in Database Tools > Relationships in Access







age date of birth



FIT100 Extending the database * The new boat model table has • MID • Model

• Rating



Project 3B Part 2

• Extending the database

- * How do you relate the boat model to the boat table?
 - Exchange keys (primary and foreign keys) between the Boat and Model tables
 - Add MID to Boat table
 - Why not add BID to model table instead?
 » Because more than one BID would have to
 - » Because more findin one BID would have to be added for each row in the Model table
 - » Many boats have the same model

