Test Your Tech

Identity theft is:
A. Your sister borrowing your makeup, your shoes, and your boyfriend.
B. Someone using your name, address, social security number, driver's license number, and credit card number at your expense.
C. Retiring from your job or your kids leaving home.

Reflection Papers

Dante File Server
• Stores student files
• Private

Students Web Server
• Stores and serves student Web pages
• Public
  – Anyone in the world with the URL can view your Web pages at http://students washington.edu
  – public_html is a link to Students
  – Everything in public_html is stored on Students

Access to Dante and Students
SSH, tectia client, bash on Unix, and fugu or fetch on the Macintosh are programs that allow you to access/transfer your files on Dante and on the Students Web server to your local computer

Project 2A

• Fair Use Doctrine
  • Chapter 12, Fluency, page 334
  • Checklist for Fair Use:
    • http://www.copyright.iupui.edu/checklist.pdf
  • The statute:
    • http://www.copyright.gov/title17/92/chap1.html#107

Project 2B Hints

Hints
• Open new Window

/* opens new window for story contents, using given name to personalize title, "name's story" */
var FirstName; FirstName = document.getElementById("FirstNameField").value;
setupStoryWindow(FirstName,"Once Upon a time...");

JavaScript
• A programming language
• Builds on HTML
• Can’t run by itself
• Without JavaScript
• Static
• Unorganized content on a Web page
• Can’t be validated

HTML
• The language for Web pages
• Can run by itself
• Without JavaScript
• Static
• Organizes content on a Web page
• Can be validated

• Without JavaScript
• Static
• Unorganized content on a Web page
• Can’t be validated
function setupStoryWindow(name, contentString) {
  // some HTML to put around the story itself,
  // including a page title incorporating user's name
  var header = '<head><title>' + name + '</title></head>
  + '<h1>' + name + '</h1>';
  var storyWindow = window.open('', 'storyWindow');
  storyWindow.document.write(header);
  storyWindow.document.write(contentString);
  storyWindow.document.close();
  /* raise this window to the top, in case it's hidden behind
   another window? */
  storyWindow.focus();
}

Hints
• Part 1 Step 7: Replace the alert with a call to the setupStory function
  var FirstName; FirstName =
  document.getElementById("FirstNameField").value;
  setupStoryWindow(FirstName,"Once Upon a time...");

Shhh, It's a Secret
Digital Privacy

• What's different about digital privacy?
  ∗ So many databases
  ∗ So easy to link them up

Video
• Pizza Palace

Privacy
Whose Information Is It?
• What is privacy? Examine a transaction of buying Dating for Total Dummies
  ∗ Information linking the purchase with the customer

• How can the information be used?
  ∗ Book merchant collecting information is ordinary business practice
  ∗ Book merchant sending advertisements to customer is ordinary business practice
  ∗ What about merchant selling information to other businesses?
Modern Devices and Privacy

- Modern devices make it possible to violate people's privacy without their knowledge.
- In 1890, Brandeis wrote that individuals deserve "sufficient safeguards against improper circulation" of their images.

Controlling the Use of Information

- Spectrum of control spans four main possibilities:
  1. **No uses.** Information should be deleted when the store is finished with it.
  2. **Approval or Opt-in.** Store can use it for other purposes with customer's approval.
  3. **Objection or Opt-out.** Store can use it for other purposes if customer does not object.
  4. **No limits.** Information can be used any way the store chooses.
  5. **Fifth possibility is internal use—store can use information to continue conducting business with you.**

A Privacy Definition

- **Privacy:** The right of people to choose freely under what circumstances and to what extent they will reveal themselves, their attitude, and their behavior to others.
- **Threats to Privacy:** Government and business.
- **Voluntary Disclosure:** We choose to reveal information in return for real benefits (doctor, credit card company).

Fair Information Practices

- OECD (Organization of Economic Cooperation and Development) in 1980 developed the standard eight-point list of privacy principles:
  1. Limited Collection Principle
  2. Quality Principle
  3. Purpose Principle
  4. Use Limitation Principle
  5. Security Principle
  6. Openness Principle
  7. Participation Principle
  8. Accountability Principle

Comparing Privacy Across the Atlantic

- U.S. has not adopted OECD principles.
- China does not protect privacy.
- European Union has European Data Protection Directive (OECD principles).
- EU Directive requires data on EU citizens to be protected at same standard even after it leaves their country.

US Laws Protecting Privacy

- Privacy Act of 1974 covers interaction with government.
- Interactions with business:
  - Electronic Communication Privacy Act of 1986
  - Video Privacy Protection Act of 1988
  - Telephone Consumer Protection Act of 1991
  - Driver's Privacy Protection Act of 1994
  - Health Insurance Privacy and Accountability Act of 1996
- These all deal with specific business sectors—not an omnibus solution.
Privacy Principles: European Union

- Two points of disagreement between FTC (US) and OECD (Europe):
  - Opt-in/Opt-out
    - When can an organization use information it collects for one purpose, for a different purpose?
  - Compliance/Enforcement
    - US has "voluntary compliance," EU has offices to control data

A Privacy Success Story

- Do-Not-Call List
  - Telemarketing industry's "self-policing" mechanism required individuals to write a letter or pay an on-line fee to stop telemarketing calls
  - US government set up Do-Not-Call List. Over 107,000,000 households are on the list and telemarketing industry has largely collapsed

The Cookie Monster

- Cookie: Record containing seven fields of information that uniquely identify a customer's session on a website. Cookie is stored on customer's hard drive.
- Abuse: Third-party cookie
  - Third party advertisers on web site enter client/server relationship with customer as page loads
  - Advertiser can set cookies, and can access cookies when user views other websites that advertiser uses

The Cookie Monster (Cont'd)

- Browser options:
  - Turn off cookies
  - Ask each time a server wants to set a cookie
  - Accept all cookies

Identity Theft

- Americans do not enjoy the Security Principle
  - Those who hold private information are obliged to maintain its privacy against unauthorized access and other hazards
- Identity theft is the crime of posing as someone else for fraudulent purposes
  - Using information about person like credit card numbers, social security numbers
Managing Your Privacy

• Purchase up-to-date anti-virus/anti-spyware software
• Adjust your cookie preferences to match your comfort level
• Read the privacy statement of any website you give information to
• Review protections against phishing scams

Managing Your Privacy (cont'd)

• Patronize reputable companies for music, software, etc.
• Be skeptical
• Stay familiar with current assaults on privacy
• Lobby for US adoption of Fair Information Practices

Video

• Avoid IDentity Theft

For Friday

• Read chapters 14-15 in Fluency
• Read chapter 3 in QuickStart