LAST TIME ON IO LAB

Web Inspector / Console

JavaScript

jQuery
JQUERY TIPS
CHAINING

// No chaining
$$($"#menu"$)\).fadeIn('fast');
$$($"#menu"$).addClass('active');
$$($"#menu"$).css('margin', '10px');

// vs. with chaining
$$($"#menu"$).fadeIn('fast')
    .addClass('active')
    .css('margin', '10px');

Adapted from: http://tobiasahlin.com/blog/quick-guide-chaining-in-jquery/
**EVENTS**

```javascript
$(element).on('eventType', function(){
    // some JavaScript
});
```

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Events</td>
<td>ready, load, scroll</td>
</tr>
<tr>
<td>Mouse Events</td>
<td>click, hover, mouseenter, mouseleave</td>
</tr>
<tr>
<td>Keyboard Events</td>
<td>keypress, keydown, keyup</td>
</tr>
<tr>
<td>Form Events</td>
<td>submit, focus, blur</td>
</tr>
</tbody>
</table>

WHEN DOES MY CODE RUN?

$(window).on('load', function(){
    // your JavaScript
});

VS.

$(document).on('ready', function(){
    // your JavaScript
});
WHEN DOES MY CODE RUN?

$(window).on('load', function(){
   // your JavaScript
});

• Code runs after EVERYTHING is loaded...
• HTML, scripts, images, etc.
• Only one per page
WHEN DOES MY CODE RUN?

$(document).on('ready', function(){
   // your JavaScript
});

$(function(){ //shorthand
   // your JavaScript
});

- Code runs after DOM is loaded by the browser
- Tends to be quicker
- Useful for most cases
TOOLS

JSFIDDLE (jsfiddle.net)

• Test out code quickly

• Example: Lab 1 todo list http://jsfiddle.net/bYUY9/

JSHINT (jshint.com)

• Check your JavaScript for bugs.
FRIENDLY REMINDERS
GROUP CRITIQUES
VERSION CONTROL
WHY DO WE NEED IT?

• Save our work
• Undo
• Collaborate
• Safe Experimentation
• Documentation
GIT
WHY NOT SVN?
DISTRIBUTED VERSION CONTROL SYSTEMS

- Fundamentally different from version control systems like SVN.

http://git-scm.com/figures/18333fig0104-tn.png
DISTRIBUTED VERSION CONTROL SYSTEMS

• Snapshots of the file system

http://git-scm.com/figures/18333fig0105-tn.png
GIT

Local Operations

- working directory
- staging area
- git directory (repository)

checkout the project
stage files
commit

http://git-scm.com/figures/18333fig0106-tn.png
WALKTHROUGH

try.github.com
COMMANDS IN REVIEW

- git add
- git commit -m
- git commit -a
- git rm
- git reset
- git reset --hard
- git checkout
- git diff
- git log
- git status
- git pull
- git push
MORE UNCOMMON ACTIONS

• Merging vs Rebasing

• git bisect #binary search

• git stash

• git stash pop
MORE GIT RESOURCES

- http://gitimmersion.com
FOR NEXT WEEK

For Monday: Vannevar Bush - “As We May Think”

Project I assigned on Monday.

You can find links to help with all of these on the course website at http://courses.ischool.berkeley.edu/290ta-iol/f12