Announcements

Friday is the Midterm #2

- Bring photo ID
- Covers Everything Since MT 1
  - Digital Representation
  - Computers
  - Algorithms
  - JS Programming
  - ~ Lectures 16/17

JavaScript Wrap Up

JavaScript is a versatile programming language ... if you know it, you can learn others

The Big Picture

Without JavaScript, HTML is quite limited

- Only static page-layouts are possible
- JS allows:
  - Adaptivity … the page can be customized to the browser, site, user, etc.
  - Interactivity … users can give information and a response can be displayed: Memory Bank
  - Applications … tasks unrelated to documents can be created
  - Animations

Big Picture

Notice the standard HTML process

- HTML is parsed — read & “decoded”
- During parse JavaScript runs ... allowing it to generate HTML, e.g. document.write()
- Browser generates the page from HTML
- After page generated all is quiet until an event happens, caused by user or timer
- Event handlers handle the events, and then all is quiet again

Consider The OC

Analyze the process for Orange Con

- HTML is parsed
- JavaScript runs ...
  - HTML generated
  - Browser makes page
  - All is quiet except for events from user/timer
  - Event handlers handle events, quiet returns

Other Languages

JS is a “modern” programming language like C, C++, Java, etc.

- Expect to find numbers, strings, Booleans.
- Variables (of same form) must be declared
- There are if-statements & else-statements
- There is a for-statement

```javascript
for (j=0; j<5; j++) {
    <statement list>
}
```

It’s not easy to teach yourself, ... you can learn quickly
Got questions?