



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

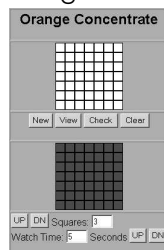
this sequence shows defines the action



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

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

is not easy to teach yourself, but you can learn quickly



Review & Tutorial

Got questions?