Announcements

• Quiz #3 on Friday
• Project #3 due on Wednesday next week
• Please bring laptops to class on Monday
Recall: Dynamic Updates

Three ways Javascript can modify the elements on the page:

1. Changing the value of an HTML attribute
2. Changing the value of a CSS style property.
3. Changing the “innerHTML” (the text within) the element.

Example: BetterRouletteWheel
Pausing

We wish we could do this:

```javascript
statement1;
pause(500); // wait 500 milliseconds
statement2;
```

The best we can do:

```javascript
statement1;
setTimeout(doSomething, 500);

function doSomething() {
    statement2;
}
```

Note: This won’t work inside a loop!

Example: Pausing.html
One More Example...

Example: MoreDynamicUpdates
Loops that count

Common situation:

I need to repeat something exactly 723 times:

```javascript
var counter = 0;
while (counter < 723) {
    // do something
    counter = counter + 1;
}
```
For Loops

In some situations a for-loop is more convenient:

```javascript
for (var i = 0; i < 723; i = i + 1) {
    // do something
}
```

Let’s see some variations:

**Example:** ForLoops.html