

# JavaScript & Ajax

Mike Girouard – WebTechNY – 11 Feb 2009

Hello.

I'm Mike G.

I'm really into the Web.

Let's talk JavaScript.

JavaScript is a  
*programming language*  
used in web pages.

JavaScript is a *basic ingredient* in front-end web development.

XHTML *structures*  
content.



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CSS makes content  
*presentable.*



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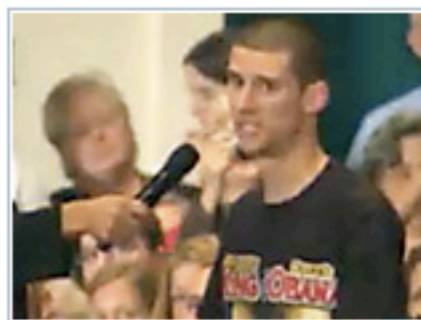
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### Question for Obama pays off

An excited 19-year-old lands a new gig after speaking up at Obama's Florida town hall. [» Details](#) USATODAY.com

- Homeless woman offered house
- Obama and the 'shug' Esquire.com



19-year-old asks Obama a question, gets a job



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- Zimbabwe's Pres. Mugabe swears in foe as prime minister
- Madoff's wife withdrew \$15 million before his fraud arrest
- Peanut company owner refuses to testify at salmonella hearing
- Diver fights off shark in rare attack in Australia's Sydney Harbor
- Old dog, new trick: 'Stump' wins Best in Show at Westminster

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| 4. Flowers               | 9. T.I.'s Road to...    |
| 5. Jeremy Lusk           | 10. Mardi Gras Hotels   |

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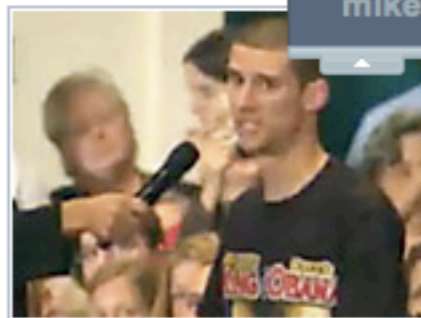
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Woman who swam Atlantic is a fraud



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As of 1:25 p.m. EST

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Inside Yahoo! Personals



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ZIP:

JavaScript can *enhance*  
*responsiveness.*

JavaScript is *event-*  
*driven.*

JavaScript can *enhance*  
*usability.*



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NY Post: News

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JavaScript *is not* Java.



JavaScript was  
developed by the  
*Netscape Corporation.*

Java was developed by  
*Sun Microsystems.*

Their *syntax* is similar,  
but their purposes have  
nothing in common.

JavaScript is a *privilege*,  
not a right.



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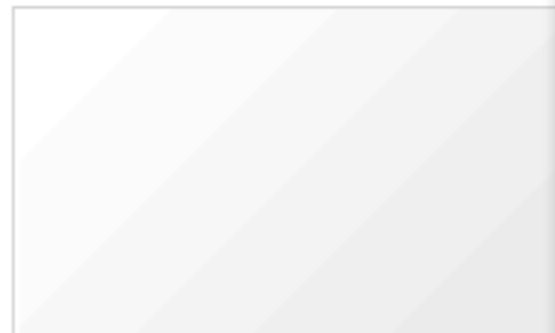
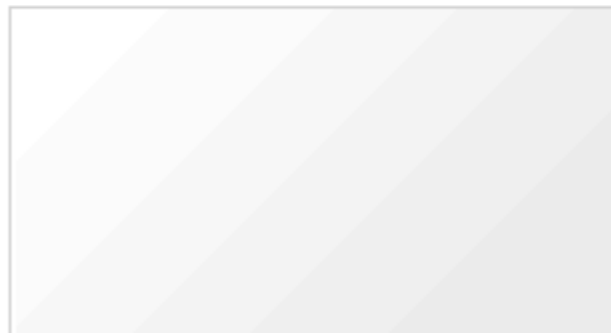
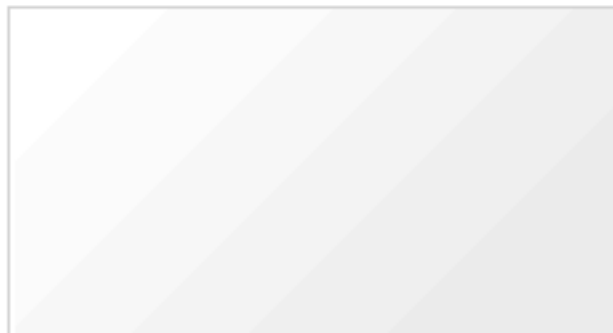
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-- CONTENT GOES HERE (simple)--

-- CONTENT GOES HERE (simple)--

-- CONTENT GOES HERE (simple)--

-- CONTENT GOES HERE (simple)--

-- CONTENT GOES HERE (simple)--

-- CONTENT GOES HERE (simple)--

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>		Your Lists	Cart
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Shop All Departments		Cart	99+ Cart
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Ok.

Let's get nerdy.



There are *two ways* to  
get JavaScript into a  
page.

```
<body>
```

```
  <script type="text/javascript">
```

```
    alert('Hello, world!');
```

```
  </script>
```

```
</body>
```

```
<body>
```

```
  <script
```

```
    type="text/javascript"
```

```
    src="helloWorld.js">
```

```
  </script>
```

```
</body>
```

There are *four basic building blocks* of a JavaScript application.

Variables are used to  
*store information.*

```
var name = 'Mike G';  
var age = (2009 - 1983);
```

Conditionals are used  
to *branch logic*.

```
var drinkingAge = 21;

if (age < drinkingAge) {
    document.location = 'minor.php';
}
else {
    document.location = 'legal.php';
}
```



Loops are used to run  
code *over and over*.

```
var counter = 99;

while (counter > 1) {
  alert(
    counter +
    'bottles of beer on the wall.'
  );

  counter = counter - 1;
}
```

Functions are used to  
*store procedures.*

```
var sayHello = function (name) {  
    if (!name) {  
        name = 'world';  
    }  
  
    alert('Hello, ' + name);  
}
```

Any questions so far?

Ok. Let's talk Ajax  
now...