

JavaScript - Events

The “When” of JavaScript

JavaScript - Events

What is Event-Based Scripting?

Code is executed when the user initiates an action

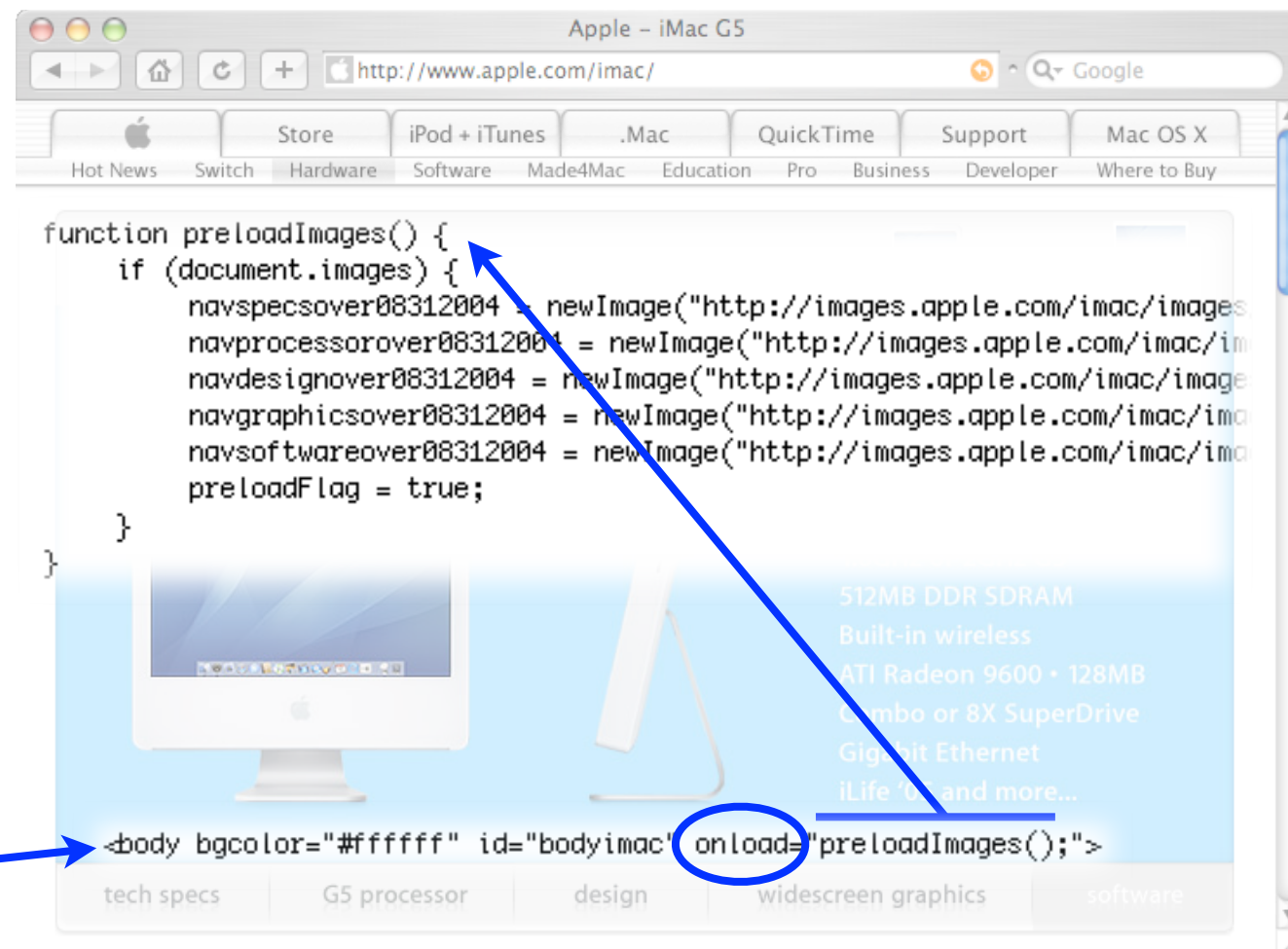
- Click `onClick`
- Move mouse `onMouseOver`
- Change data in form `onChange`
- Load page `onLoad`

JavaScript - Events

JavaScript's Relation to HTML

JavaScript and HTML work together

```
Source of http://www.apple.com/imac/
<link rel="stylesheet" type="text/css" href="http://www.apple.com/main/css/global.css" media="all">
<link rel="stylesheet" type="text/css" href="imac.css" media="all">
<style type="text/css" media="all">
#buynow {margin-bottom: 10px;}
</style>
<link rel="stylesheet" type="text/css" href="http://www.apple.com/main/css/globalprint.css" media="print">
<script language="Javascript" type="text/javascript">
<!--
function newImage(arg) {
    if (document.images) {
        rslt = new Image();
        rslt.src = arg;
        return rslt;
    }
}
function changeImages() {
    if (document.images && (preloadFlag == true)) {
        for (var i=0; i<changeImages.arguments.length; i+=2) {
            document[changeImages.arguments[i]].src = changeImages.arguments[i+1];
        }
    }
}
var preloadFlag = false;
function preloadImages() {
    if (document.images) {
        navspecsover08312004 = newImage("http://images.apple.com/imac/images/navspecsover08312004.gif");
        navprocessorover08312004 = newImage("http://images.apple.com/imac/images/navprocessorover08312004.gif");
        navdesignover08312004 = newImage("http://images.apple.com/imac/images/navdesignover08312004.gif");
        navgraphicsover08312004 = newImage("http://images.apple.com/imac/images/navgraphicsover08312004.gif");
        navsoftwareover08312004 = newImage("http://images.apple.com/imac/images/navsoftwareover08312004.gif");
        preloadFlag = true;
    }
}
// -->
</script>
</head>
<body bgcolor="#ffffff" id="bodyimac" onload="preloadImages();">
```



JavaScript - Events

JavaScript's Relation to HTML

JavaScript and HTML work together

```
Source of http://www.apple.com/imac/

<div id="globalnav" class="hide"><a href="/macmini/"></a><a href="/emac/"></a><a href="/imac/" class="hi"></a></div>


</div>
<div id="nav" class="hide">
  <table border="0" cellpadding="0" cellspacing="0" summary="iMac navigation">
    <tr align="left" valign="top">
      <td><a href="specs.html" onMouseOver="changeImages('navspecs08312004', 'http://images.apple.com/imac/images/navspecs08312004.gif'); return true;" onMouseOut="changeImages('navspecs08312004', 'http://images.apple.com/imac/images/navspecs08312004.gif'); return true;"></a></td>
      <td><a href="processor.html" onMouseOver="changeImages('navprocessor08312004', 'http://images.apple.com/imac/images/navprocessor08312004.gif'); return true;" onMouseOut="changeImages('navprocessor08312004', 'http://images.apple.com/imac/images/navprocessor08312004.gif'); return true;"></a></td>
      <td><a href="design.html" onMouseOver="changeImages('navdesign08312004', 'http://images.apple.com/imac/images/navdesign08312004.gif'); return true;" onMouseOut="changeImages('navdesign08312004', 'http://images.apple.com/imac/images/navdesign08312004.gif'); return true;"></a></td>
      <td><a href="graphics.html" onMouseOver="changeImages('navgraphics08312004', 'http://images.apple.com/imac/images/navgraphics08312004.gif'); return true;" onMouseOut="changeImages('navgraphics08312004', 'http://images.apple.com/imac/images/navgraphics08312004.gif'); return true;"></a></td>
      <td><a href="software.html" onMouseOver="changeImages('navsoftware08312004', 'http://images.apple.com/imac/images/navsoftware08312004.gif'); return true;" onMouseOut="changeImages('navsoftware08312004', 'http://images.apple.com/imac/images/navsoftware08312004.gif'); return true;"></a></td>
    </tr>
  </table>
</div>
```

