

```
1. <!--
2.
3. ajax1.html
4.
5. Gets stock quote from quote1.php via Ajax, displaying result with alert().
6.
7. Building Mobile Applications
8. Harvard Extension School
9. David J. Malan
10.
11. -->
12.
13. <!DOCTYPE html>
14.
15. <html lang="en-us">
16.   <head>
17.     <meta charset="utf-8">
18.     <meta name="viewport" content="width=device-width">
19.     <script>
20.
21.         // an XMLHttpRequest
22.         var xhr = null;
23.
24.         /*
25.          * void
26.          * quote()
27.          *
28.          * Gets a quote.
29.          */
30.         function quote()
31.         {
32.             // instantiate XMLHttpRequest object
33.             try
34.             {
35.                 xhr = new XMLHttpRequest();
36.             }
37.             catch (e)
38.             {
39.                 xhr = new ActiveXObject("Microsoft.XMLHTTP");
40.             }
41.
42.             // handle old browsers
43.             if (xhr == null)
44.             {
45.                 alert("Ajax not supported by your browser!");
46.                 return;
47.             }
48.
```

```
49.         // construct URL
50.         var url = "quote1.php?symbol=" + document.getElementById("symbol").value;
51.
52.         // get quote
53.         xhr.onreadystatechange = handler;
54.         xhr.open("GET", url, true);
55.         xhr.send(null);
56.     }
57.
58.
59.     /*
60.     * void
61.     * handler()
62.     *
63.     * Handles the Ajax response.
64.     */
65.     function handler()
66.     {
67.         // only handle loaded requests
68.         if (xhr.readyState == 4)
69.         {
70.             // display response if possible
71.             if (xhr.status == 200)
72.                 alert(xhr.responseText);
73.             else
74.                 alert("Error with Ajax call!");
75.         }
76.     }
77.
78.     // ]]>
79.     </script>
80.     <title>ajax1</title>
81. </head>
82. <body>
83.     <form onsubmit="quote(); return false;">
84.         Symbol: <input autocomplete="off" id="symbol" type="text">
85.         <br><br>
86.         <input type="submit" value="Get Quote">
87.     </form>
88. </body>
89. </html>
```

```
1. <!--
2.
3. ajax2.html
4.
5. Gets stock quote from quote1.php via Ajax, embedding result in page itself.
6.
7. Building Mobile Applications
8. Harvard Extension School
9. David J. Malan
10.
11. -->
12.
13. <!DOCTYPE html>
14.
15. <html lang="en-us">
16.   <head>
17.     <meta charset="utf-8">
18.     <meta name="viewport" content="width=device-width">
19.     <script type="text/javascript">
20.       // 
21.
22.         // an XMLHttpRequest
23.         var xhr = null;
24.
25.         /*
26.          * void
27.          * quote()
28.          *
29.          * Gets a quote.
30.          */
31.         function quote()
32.         {
33.           // instantiate XMLHttpRequest object
34.           try
35.           {
36.             xhr = new XMLHttpRequest();
37.           }
38.           catch (e)
39.           {
40.             xhr = new ActiveXObject("Microsoft.XMLHTTP");
41.           }
42.
43.           // handle old browsers
44.           if (xhr == null)
45.           {
46.             alert("Ajax not supported by your browser!");
47.             return;
48.           }</pre></div>
```

```
49.
50.     // construct URL
51.     var url = "quotel.php?symbol=" + document.getElementById("symbol").value;
52.
53.     // get quote
54.     xhr.onreadystatechange = handler;
55.     xhr.open("GET", url, true);
56.     xhr.send(null);
57. }
58.
59.
60. /*
61.  * void
62.  * handler()
63.  *
64.  * Handles the Ajax response.
65.  */
66. function handler()
67. {
68.     // only handle loaded requests
69.     if (xhr.readyState == 4)
70.     {
71.         // embed response in page if possible
72.         if (xhr.status == 200)
73.             document.getElementById("price").innerHTML = xhr.responseText;
74.         else
75.             alert("Error with Ajax call!");
76.     }
77. }
78.
79. // ]]>
80. </script>
81. <title>ajax2</title>
82. </head>
83. <body>
84.     <form onsubmit="quote(); return false;">
85.         Symbol: <input autocomplete="off" id="symbol" type="text">
86.         <br>
87.         Price: <span id="price"><b>to be determined</b></span>
88.         <br><br>
89.         <input type="submit" value="Get Quote">
90.     </form>
91. </body>
92. </html>
```

```
1. <!--
2.
3. ajax3.html
4.
5. Gets stock quote from Yahoo Finance via YQL using JSONP.
6.
7. Building Mobile Applications
8. Harvard Extension School
9. David J. Malan
10.
11. -->
12.
13. <!DOCTYPE html>
14.
15. <html lang="en-us">
16.   <head>
17.     <meta charset="utf-8">
18.     <meta name="viewport" content="width=device-width">
19.     <script type="text/javascript">
20.       // 
21.
22.         /*
23.          * void
24.          * quote()
25.          *
26.          * Gets a quote.
27.          */
28.         function quote()
29.         {
30.           // construct URL
31.           var url =
32. "http://query.yahooapis.com/v1/public/yql?q=select%20*%20from%20csv%20where%20columns%20%3D%20'price'%20and%20url%20%3D%20'http%3A%2F%2Fdownlo
33. ad.finance.yahoo.com%2Fd%2Fquotes.csv%3Ff%3Dl1%26s%3D" + document.getElementById("symbol").value + "'&amp;format=json&amp;callback=handler";
34.
35.           // get quote via JSONP
36.           var script = document.createElement("script");
37.           script.setAttribute("src", url);
38.           document.getElementsByTagName("head")[0].appendChild(script);
39.
40.         }
41.
42.         /*
43.          * void
44.          * handler(response)
45.          *
46.          * Handles the JSONP response.
47.          */
48.         function handler(response)</pre></div>
```

```
47.     {
48.         if (response.query.count == 1)
49.         {
50.             alert(response.query.results.row.price);
51.         }
52.         else
53.         {
54.             alert("Error in JSONP response!");
55.         }
56.     }
57.
58. // ]]>
59.     </script>
60.     <title>ajax3</title>
61. </head>
62. <body>
63.     <form onsubmit="quote(); return false;">
64.         Symbol: <input autocomplete="off" id="symbol" type="text">
65.         <br><br>
66.         <input type="submit" value="Get Quote">
67.     </form>
68. </body>
69. </html>
```

```
1. <?
2.
3.  /**
4.   * quote1.php
5.   *
6.   * Outputs price of given symbol as text/html.
7.   *
8.   * Building Mobile Applications
9.   * Harvard Extension School
10.  * David J. Malan
11.  */
12.
13. // get quote
14. $handle = @fopen("http://download.finance.yahoo.com/d/quotes.csv?s={$_GET["symbol"]}&f=e111", "r");
15. if ($handle !== FALSE)
16. {
17.     $data = fgetcsv($handle);
18.     if ($data !== FALSE && $data[0] == "N/A")
19.         print($data[1]);
20.     fclose($handle);
21. }
22. ?>
```

```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <link rel="apple-touch-icon" href="custom_icon.png">
6.     <meta name="apple-mobile-web-app-capable" content="yes">
7.     <meta name="apple-mobile-web-app-status-bar-style" content="black">
8.     <meta name="viewport" content="width=device-width">
9.     <title>Tommy App</title>
10.  </head>
11.  <body style="margin: 0">
12.    
13.  </body>
14. </html>
```



```
1. <!--
2.
3.  index.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  A homepage for the course that mimics iOS's UI.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <link href="ios.css" rel="stylesheet">
17.     <meta name="viewport" content="width=device-width">
18.     <title>CSCI E-76</title>
19.   </head>
20.   <body>
21.     <h1>CSCI E-76</h1>
22.     <ul>
23.       <li><a href="lectures.html">Lectures</a></li>
24.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
25.     </ul>
26.   </body>
27. </html>
```

```
1. body
2. {
3.     font-family: Helvetica, sans-serif;
4.     margin: 0;
5. }
6.
7. h1
8. {
9.     background-color: #7C92AE;
10.    background-image: -webkit-gradient(linear, 0% 0%, 0% 100%, from(#ABB9CB), color-stop(0.5, #8C9FB8), color-stop(0.51, #7C92AE), to(#6C85A4));
11.    color: #FFF;
12.    font-size: 18px;
13.    margin: 0;
14.    padding: 6px;
15.    text-align: center;
16. }
17.
18. li a
19. {
20.    border-bottom: 1px #CCC solid;
21.    color: #000;
22.    display: block;
23.    font-weight: bold;
24.    padding: 10px;
25.    text-decoration: none;
26. }
27.
28. ul
29. {
30.    list-style: none;
31.    margin: 0;
32.    padding: 0;
33. }
```

```
1. <!--
2.
3.  lecture0.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  Represents a lecture.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <link href="ios.css" rel="stylesheet">
17.     <meta name="viewport" content="width=device-width">
18.     <title>Lecture 0</title>
19.   </head>
20.   <body>
21.     <h1>Lecture 0</h1>
22.     <ul>
23.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.pdf">Slides</a></li>
24.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.mp4">Video</a></li>
25.     </ul>
26.   </body>
27. </html>
```

```
1. <!--
2.
3.  lecture1.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  Represents a lecture.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <link href="ios.css" rel="stylesheet">
17.     <meta name="viewport" content="width=device-width">
18.     <title>Lecture 1</title>
19.   </head>
20.   <body>
21.     <h1>Lecture 1</h1>
22.     <ul>
23.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.pdf">Slides</a></li>
24.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.mp4">Video</a></li>
25.     </ul>
26.   </body>
27. </html>
```

```
1.
2. <!DOCTYPE html>
3.
4. <!--
5.
6. lectures.html
7.
8. David J. Malan
9. malan@harvard.edu
10.
11. Links to lectures.
12.
13. -->
14.
15. <html>
16.   <head>
17.     <link href="ios.css" rel="stylesheet">
18.     <meta name="viewport" content="width=device-width">
19.     <title>Lectures</title>
20.   </head>
21.   <body>
22.     <h1>Lectures</h1>
23.     <ul>
24.       <li><a href="lecture0.html">Lecture 0</a></li>
25.       <li><a href="lecture1.html">Lecture 1</a></li>
26.     </ul>
27.   </body>
28. </html>
```

```
1. <!--
2.
3. index.html
4.
5. David J. Malan
6. malan@harvard.edu
7.
8. Demonstrates jQuery Mobile.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <link rel="stylesheet" href="http://code.jquery.com/mobile/1.0.1/jquery.mobile-1.0.1.min.css">
17.     <meta name="viewport" content="width=device-width">
18.     <script src="http://code.jquery.com/jquery-1.6.4.min.js"></script>
19.     <script src="http://code.jquery.com/mobile/1.0.1/jquery.mobile-1.0.1.min.js"></script>
20.     <title>CSCI E-76</title>
21.   </head>
22.   <body>
23.
24.     <div data-role="page" id="menu">
25.
26.       <div data-role="header" data-theme="b">
27.         <h1>CSCI E-76</h1>
28.       </div>
29.
30.       <div data-role="content">
31.         <ul data-role="listview" data-theme="c">
32.           <li><a href="#lectures">Lectures</a></li>
33.           <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/syllabus.pdf" rel="external">Syllabus</a></li>
34.         </ul>
35.       </div>
36.
37.     </div>
38.
39.     <div data-role="page" id="lectures">
40.
41.       <div data-role="header" data-theme="b">
42.         <h1>Lectures</h1>
43.       </div>
44.
45.       <div data-role="content">
46.         <ul data-role="listview" data-theme="c">
47.           <li><a href="#lecture0">Lecture 0</a></li>
48.           <li><a href="#lecture1">Lecture 1</a></li>
```

```
49.     </ul>
50.   </div>
51.
52. </div>
53.
54. <div data-role="page" id="lecture0">
55.
56.   <div data-role="header" data-theme="b">
57.     <h1>Lecture 0</h1>
58.   </div>
59.
60.   <div data-role="content">
61.     <ul data-role="listview" data-theme="c">
62.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.pdf" rel="external">Slides</a></li>
63.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.mp4" rel="external">Video</a></li>
64.     </ul>
65.   </div>
66.
67. </div>
68.
69. <div data-role="page" id="lecture1">
70.
71.   <div data-role="header" data-theme="b">
72.     <h1>Lecture 1</h1>
73.   </div>
74.
75.   <div data-role="content">
76.     <ul data-role="listview" data-theme="c">
77.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.pdf" rel="external">Slides</a></li>
78.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.mp4" rel="external">Video</a></li>
79.     </ul>
80.   </div>
81.
82. </div>
83.
84. </body>
85. </html>
```

```
1. <!--
2.
3.  index.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  A homepage for the course.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <meta name="viewport" content="width=device-width">
17.     <title>CSCI E-76</title>
18.   </head>
19.   <body>
20.     <h1>CSCI E-76</h1>
21.     <ul>
22.       <li><a href="lectures.html">Lectures</a></li>
23.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
24.     </ul>
25.   </body>
26. </html>
```



```
1. <!--
2.
3.  lecture0.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  Represents a lecture.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <meta name="viewport" content="width=device-width">
17.     <title>Lecture 0</title>
18.   </head>
19.   <body>
20.     <h1>Lecture 0</h1>
21.     <ul>
22.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.pdf">Slides</a></li>
23.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/0/lecture0.mp4">Video</a></li>
24.     </ul>
25.   </body>
26. </html>
```

```
1. <!--
2.
3.  lecture1.html
4.
5.  David J. Malan
6.  malan@harvard.edu
7.
8.  Represents a lecture.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <meta name="viewport" content="width=device-width">
17.     <title>Lecture 1</title>
18.   </head>
19.   <body>
20.     <h1>Lecture 1</h1>
21.     <ul>
22.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.pdf">Slides</a></li>
23.       <li><a href="http://cdn.cs76.net/2012/spring/lectures/1/lecture1.mp4">Video</a></li>
24.     </ul>
25.   </body>
26. </html>
```

```
1. <!--
2.
3. lectures.html
4.
5. David J. Malan
6. malan@harvard.edu
7.
8. Links to lectures.
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.   <head>
16.     <meta name="viewport" content="width=device-width">
17.     <title>Lectures</title>
18.   </head>
19.   <body>
20.     <h1>Lectures</h1>
21.     <ul>
22.       <li><a href="lecture0.html">Lecture 0</a></li>
23.       <li><a href="lecture1.html">Lecture 1</a></li>
24.     </ul>
25.   </body>
26. </html>
```