

```

1: <!--
2:
3: ajax1.html
4:
5: Gets stock quote from quotel.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 type="text/javascript">
20:       // <![CDATA[
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:           {

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46:             alert("Ajax not supported by your browser!");
47:             return;
48:           }
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:             // display response if possible
72:             if (xhr.status == 200)
73:               alert(xhr.responseText);
74:             else
75:               alert("Error with Ajax call!");
76:           }
77:         }
78:
79:       // ]]>
80:     </script>
81:     <title>ajax1</title>
82:   </head>
83:   <body>
84:     <form onsubmit="quote(); return false;">
85:       Symbol: <input autocomplete="off" id="symbol" type="text">
86:       <br><br>
87:       <input type="submit" value="Get Quote">
88:     </form>
89:   </body>
90: </html>

```

```

1: <!--
2:
3: ajax2.html
4:
5: Gets stock quote from quotel.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:       // <![CDATA[
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:           }
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:       // <![CDATA[
21:
22:         /*
23:          * void
24:          * quote()
25:          *
26:          * Gets a quote.
27:          */
28:         function quote()
29:         {
30:           // construct URL
31:           var url = "http://query.yahooapis.com/v1/public/yql?q=select%20*%20from%20csv%20where%20columns%20%3D%2
0'price'%20and%20url%20%3D%20'http%3A%2F%2Fdownload.finance.yahoo.com%2Fd%2Fquotes.csv%3Ff%3Dl1%26s%3D' + document.getElem
entById("symbol").value + "'&format=json&callback=handler";
32:
33:           // get quote via JSONP
34:           var script = document.createElement("script");
35:           script.setAttribute("src", url);
36:           document.getElementsByTagName("head")[0].appendChild(script);
37:         }
38:
39:
40:         /*
41:          * void
42:          * handler(response)
43:          *
```

```
44:         * Handles the JSONP response.
45:         */
46:         function handler(response)
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=e1l1", "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: <?
2:
3:     /**
4:      * dump.php
5:      *
6:      * Dumps HTTP requests.
7:      *
8:      * Computer Science 50
9:      * David J. Malan
10:     */
11:
12: ?>
13:
14: <!DOCTYPE html>
15:
16: <html>
17:   <head>
18:     <title>dump</title>
19:   </head>
20:   <body>
21:     <pre><? print_r($_GET); ?></pre>
22:   </body>
23: </html>
```

```
1: <!--
2:
3: form1.html
4:
5: A form without client-side validation.
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 name="viewport" content="width=device-width">
18:     <title>form1</title>
19:   </head>
20:   <body>
21:     <form action="dump.php" method="get">
22:       Email: <input autocomplete="off" name="email" type="text">
23:       <br>
24:       Password: <input name="password1" type="password">
25:       <br>
26:       Password (again): <input name="password2" type="password">
27:       <br>
28:       I agree to the terms and conditions: <input name="agreement" type="checkbox">
29:       <br><br>
30:       <input type="submit" value="Submit">
31:     </form>
32:   </body>
33: </html>
```

```
1: <!--
2:
3: form2.html
4:
5: A form with client-side validation.
6:
7: Building Mobile Applications
8: Harvard Extension School
9: David J. Malan
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html>
16:   <head>
17:     <meta name="viewport" content="width=device-width">
18:     <script type="text/javascript">
19:       // <![CDATA[
20:
21:         function validate()
22:         {
23:           if (document.forms.registration.email.value == "")
24:           {
25:             alert("You must provide an email address.");
26:             return false;
27:           }
28:           else if (document.forms.registration.password1.value == "")
29:           {
30:             alert("You must provide a password.");
31:             return false;
32:           }
33:           else if (document.forms.registration.password1.value != document.forms.registration.password2.value)
34:           {
35:             alert("You must provide the same password twice.");
36:             return false;
37:           }
38:           else if (!document.forms.registration.agreement.checked)
39:           {
40:             alert("You must agree to our terms and conditions.");
41:             return false;
42:           }
43:           return true;
44:         }
45:
```

```
46:     // ]]>
47:   </script>
48:   <title>form2</title>
49: </head>
50: <body>
51:   <form action="dump.php" method="get" name="registration" onsubmit="return validate();">
52:     Email: <input autocomplete="off" name="email" type="text">
53:     <br>
54:     Password: <input name="password1" type="password">
55:     <br>
56:     Password (again): <input name="password2" type="password">
57:     <br>
58:     I agree to the terms and conditions: <input name="agreement" type="checkbox">
59:     <br><br>
60:     <input type="submit" value="Submit">
61:   </form>
62: </body>
63: </html>
```

```
1: body
2: {
3:     background-color: #111;
4:     font-family: Helvetica, sans-serif;
5:     margin: 0;
6: }
7:
8: h1
9: {
10:    background-color: #333;
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 #000 solid;
21:    color: #FFF;
22:    display: block;
23:    font-weight: bold;
24:    padding: 10px;
25:    text-decoration: none;
26: }
27:
28: li a:active
29: {
30:    background-color: #000;
31: }
32:
33: ul
34: {
35:    list-style: none;
36:    margin: 0;
37:    padding: 0;
38: }
```

```
1: <!--
2:
3: home4.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: A scaled homepage for the course that mimics Android's UI.
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html lang="en-us">
16:   <head>
17:     <link href="android.css" rel="stylesheet">
18:     <meta charset="utf-8">
19:     <meta name="viewport" content="width=device-width">
20:     <title>CSCI E-76</title>
21:   </head>
22:   <body>
23:     <h1>CSCI E-76</h1>
24:     <ul>
25:       <li><a href="lectures.html">Lectures</a></li>
26:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
27:     </ul>
28:   </body>
29: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lecture0.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Represents a lecture.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <link href="android.css" rel="stylesheet">
19:     <meta charset="utf-8">
20:     <meta name="viewport" content="width=device-width">
21:     <title>Lecture 0</title>
22:   </head>
23:   <body>
24:     <h1>Lecture 0</h1>
25:     <ul>
26:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0-malan.pdf">Slides</a></li>
27:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
28:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0.mp4">Video</a></li>
29:     </ul>
30:   </body>
31: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lectures.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Links to lectures.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <link href="android.css" rel="stylesheet">
19:     <meta charset="utf-8">
20:     <meta name="viewport" content="width=device-width">
21:     <title>Lectures</title>
22:   </head>
23:   <body>
24:     <h1>Lectures</h1>
25:     <ul>
26:       <li><a href="lecture0.html">Lecture 0</a></li>
27:     </ul>
28:   </body>
29: </html>
```



```
1: <!--
2:
3: home1.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: An unscaled homepage for the course.
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html lang="en-us">
16:   <head>
17:     <meta charset="utf-8">
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/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
25:     </ul>
26:   </body>
27: </html>
```

```
1: <!--
2:
3: home2.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: A scaled homepage for the course.
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:     <title>CSCI E-76</title>
20:   </head>
21:   <body>
22:     <h1>CSCI E-76</h1>
23:     <ul>
24:       <li><a href="lectures.html">Lectures</a></li>
25:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
26:     </ul>
27:   </body>
28: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lecture0.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Represents a lecture.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <meta charset="utf-8">
19:     <meta name="viewport" content="width=device-width">
20:     <title>Lecture 0</title>
21:   </head>
22:   <body>
23:     <h1>Lecture 0</h1>
24:     <ul>
25:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0-malan.pdf">Slides</a></li>
26:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
27:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0.mp4">Video</a></li>
28:     </ul>
29:   </body>
30: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lectures.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Links to lectures.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <meta charset="utf-8">
19:     <meta name="viewport" content="width=device-width">
20:     <title>Lectures</title>
21:   </head>
22:   <body>
23:     <h1>Lectures</h1>
24:     <ul>
25:       <li><a href="lecture0.html">Lecture 0</a></li>
26:     </ul>
27:   </body>
28: </html>
```

lectures/1/src1-malan/home/ios/

```
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: }
```

lectures/1/src1-malan/home/ios/

```
1: <!--
2:
3: ios.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: A scaled homepage for the course that mimics iOS's UI.
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html lang="en-us">
16:   <head>
17:     <link href="ios.css" rel="stylesheet">
18:     <meta charset="utf-8">
19:     <meta name="viewport" content="width=device-width">
20:     <title>CSCI E-76</title>
21:   </head>
22:   <body>
23:     <h1>CSCI E-76</h1>
24:     <ul>
25:       <li><a href="lectures.html">Lectures</a></li>
26:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
27:     </ul>
28:   </body>
29: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lecture0.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Represents a lecture.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <link href="ios.css" rel="stylesheet">
19:     <meta charset="utf-8">
20:     <meta name="viewport" content="width=device-width">
21:     <title>Lecture 0</title>
22:   </head>
23:   <body>
24:     <h1>Lecture 0</h1>
25:     <ul>
26:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0-malan.pdf">Slides</a></li>
27:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
28:       <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0.mp4">Video</a></li>
29:     </ul>
30:   </body>
31: </html>
```

```
1:
2: <!DOCTYPE html>
3:
4: <!--
5:
6: lectures.html
7:
8: David J. Malan
9: Building Dynamic Websites
10: Harvard Extension School
11:
12: Links to lectures.
13:
14: -->
15:
16: <html lang="en-us">
17:   <head>
18:     <link href="ios.css" rel="stylesheet">
19:     <meta charset="utf-8">
20:     <meta name="viewport" content="width=device-width">
21:     <title>Lectures</title>
22:   </head>
23:   <body>
24:     <h1>Lectures</h1>
25:     <ul>
26:       <li><a href="lecture0.html">Lecture 0</a></li>
27:     </ul>
28:   </body>
29: </html>
```

```
1: <!--
2:
3: jqmobile.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: Demonstrates jQuery Mobile.
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html lang="en-us">
16:   <head>
17:     <link rel="stylesheet" href="http://code.jquery.com/mobile/1.0a2/jquery.mobile-1.0a2.min.css" />
18:     <meta charset="utf-8">
19:     <script type="text/javascript" src="http://code.jquery.com/jquery-1.4.3.min.js"></script>
20:     <script type="text/javascript" src="http://code.jquery.com/mobile/1.0a2/jquery.mobile-1.0a2.min.js"></script>
21:     <title>CSCI E-76</title>
22:   </head>
23:   <body>
24:
25:     <div data-role="page" id="menu">
26:
27:       <div data-role="header" data-theme="b">
28:         <h1>CSCI E-76</h1>
29:       </div>
30:
31:       <div data-role="content">
32:         <ul data-role="listview" data-theme="c">
33:           <li><a href="#lectures">Lectures</a></li>
34:           <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
35:         </ul>
36:       </div>
37:
38:     </div>
39:
40:     <div data-role="page" id="lectures">
41:
42:       <div data-role="header" data-theme="b">
43:         <h1>Lectures</h1>
44:       </div>
45:
```

```
46:       <div data-role="content">
47:         <ul data-role="listview" data-theme="c">
48:           <li><a href="#lecture0">Lecture 0</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/2011/spring/lectures/0/lecture0-malan.pdf">Slides</a></li>
63:           <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Slides</a></li>
64:           <li><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0.mp4">Video</a></li>
65:         </ul>
66:       </div>
67:
68:     </div>
69:
70:   </body>
71: </html>
```

```

1: <!--
2:
3: jqtouch.html
4:
5: David J. Malan
6: Building Dynamic Websites
7: Harvard Extension School
8:
9: Demonstrates jqTouch.
10:
11: -->
12:
13: <!DOCTYPE html>
14:
15: <html lang="en-us">
16:   <head>
17:     <meta charset="utf-8">
18:     <script type="text/javascript" src="http://www.google.com/jsapi"></script>
19:     <script type="text/javascript"> google.load("jquery", "1.4.2"); </script>
20:     <script src="senchalabs-jqTouch-d849076/jqtouch/jqtouch.js" type="application/x-javascript" charset="utf-8"></s
cript>
21:     <script type="text/javascript">
22:       // <![CDATA[
23:
24:         var jQT = $.jqTouch();
25:
26:       // ]]>
27:     </script>
28:     <style type="text/css" media="screen">@import "senchalabs-jqTouch-d849076/jqtouch/jqtouch.css";</style>
29:     <style type="text/css" media="screen">@import "senchalabs-jqTouch-d849076/themes/jqt/theme.css";</style>
30:     <title>CSCI E-76</title>
31:   </head>
32:   <body>
33:
34:     <div id="menu">
35:
36:       <div class="toolbar">
37:         <h1>CSCI E-76</h1>
38:       </div>
39:
40:       <ul class="edgetoedge">
41:         <li class="arrow"><a href="#lectures">Lectures</a></li>
42:         <li class="arrow"><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf">Syllabus</a></li>
43:       </ul>
44:

```

```

45:     </div>
46:
47:     <div id="lectures">
48:
49:       <div class="toolbar">
50:         <h1>Lectures</h1>
51:         <a class="button back" href="#">Back</a>
52:       </div>
53:
54:       <ul class="edgetoedge">
55:         <li class="arrow"><a href="#lecture0">Lecture 0</a></li>
56:         <a class="button back" href="#">Back</a>
57:       </ul>
58:
59:     </div>
60:
61:     <div id="lecture0">
62:
63:       <div class="toolbar">
64:         <h1>Lecture 0</h1>
65:       </div>
66:
67:       <ul class="edgetoedge">
68:         <li class="arrow"><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0-malan.pdf" target="_blank">S
lides</a></li>
69:         <li class="arrow"><a href="http://cdn.cs76.net/2011/spring/lectures/0/syllabus.pdf" target="_blank">Slides<
/a></li>
70:         <li class="arrow"><a href="http://cdn.cs76.net/2011/spring/lectures/0/lecture0.mp4" target="_blank">Video</
a></li>
71:       </ul>
72:
73:     </div>
74:
75:   </body>
76: </html>

```