

```
1. <!--
2.
3. ajax-0.html
4.
5. Gets stock quote from quote.php via Ajax with jQuery, displaying price with alert.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <script src="https://code.jquery.com/jquery-latest.min.js"></script>
17.         <script>
18.
19.             /**
20.              * Gets a quote via JSON.
21.              */
22.             function quote()
23.             {
24.                 var url = 'quote.php?symbol=' + $('#symbol').val();
25.                 $.getJSON(url, function(data) {
26.                     alert(data.price);
27.                 });
28.             }
29.
30.         </script>
31.         <title>ajax-0</title>
32.     </head>
33.     <body>
34.         <form onsubmit="quote(); return false;">
35.             Symbol: <input autocomplete="off" autofocus id="symbol" type="text"/>
36.             <br/><br/>
37.             <input type="submit" value="Get Quote"/>
38.         </form>
39.     </body>
40. </html>
```

```
1. <!--
2.
3. ajax-1.html
4.
5. Gets stock quote from quote.php via Ajax with jQuery, displaying price with alert.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <script src="https://code.jquery.com/jquery-latest.min.js"></script>
17.         <script>
18.
19.             $(function() {
20.
21.                 $('#quote').submit(function() {
22.
23.                     var url = 'quote.php?symbol=' + $('#symbol').val();
24.                     $.getJSON(url, function(data) {
25.                         alert(data.price);
26.                     });
27.                     return false;
28.
29.                 });
30.
31.             });
32.
33.         </script>
34.         <title>ajax-1</title>
35.     </head>
36.     <body>
37.         <form id="quote">
38.             Symbol: <input autocomplete="off" autofocus id="symbol" type="text"/>
39.             <br/><br/>
40.             <input type="submit" value="Get Quote"/>
41.         </form>
42.     </body>
43. </html>
```

```
1. <!--
2.
3. ajax-2.html
4.
5. Gets stock quote from quote.php via Ajax with jQuery, embedding result in page itself.
6.
7. David J. Malan
8. malan@harvard.edu
9.
10. -->
11.
12. <!DOCTYPE html>
13.
14. <html>
15.     <head>
16.         <script src="https://code.jquery.com/jquery-latest.min.js"></script>
17.         <script>
18.
19.             /**
20.              * Gets a quote via JSON.
21.              */
22.             function quote()
23.             {
24.                 var url = 'quote.php?symbol=' + $('#symbol').val();
25.                 $.getJSON(url, function(data) {
26.                     $('#price').html(data.price);
27.                 });
28.             }
29.
30.         </script>
31.         <title>ajax-2</title>
32.     </head>
33.     <body>
34.         <form onsubmit="quote(); return false;">
35.             Symbol: <input autocomplete="off" autofocus id="symbol" type="text"/>
36.             <br/>
37.             Price: <span id="price">to be determined</span>
38.             <br/><br/>
39.             <input type="submit" value="Get Quote"/>
40.         </form>
41.     </body>
42. </html>
```

```
1.
2. <!--
3.
4.  blink.html
5.
6.  Flashes a greeting.
7.
8.  Computer Science 50
9.  David J. Malan
10.
11. -->
12.
13. <!DOCTYPE html>
14.
15. <html>
16.   <head>
17.     <script>
18.
19.         // toggles visibility of greeting
20.         function blink()
21.         {
22.             var div = document.getElementById('greeting');
23.             if (div.style.visibility == "hidden")
24.             {
25.                 div.style.visibility = "visible";
26.             }
27.             else
28.             {
29.                 div.style.visibility = "hidden";
30.             }
31.         }
32.
33.         // blink every 500ms
34.         window.setInterval(blink, 500);
35.
36.     </script>
37.     <style>
38.
39.         #greeting
40.         {
41.             font-size: 96pt;
42.             margin: 240px;
43.             text-align: center;
44.         }
45.
46.     </style>
47.     <title>blink</title>
48. </head>
```

```
49.   <body>
50.     <div id="greeting">
51.       hello, world
52.     </div>
53.   </body>
54. </html>
```

```
1. <?php
2.
3.     // require ?symbol=...
4.     if (empty($_GET["symbol"]))
5.     {
6.         trigger_error("Missing symbol", E_USER_ERROR);
7.     }
8.
9.     // headers for proxy servers
10.    $headers = [
11.        "Accept" => "*/*",
12.        "Connection" => "Keep-Alive",
13.        "User-Agent" => sprintf("curl/%s", curl_version()["version"])
14.    ];
15.
16.    // open connection to Yahoo
17.    $context = stream_context_create([
18.        "http" => [
19.            "header" => implode(array_map(function($value, $key) { return sprintf("%s: %s\r\n", $key, $value); }, $headers,
array_keys($headers))),
20.            "method" => "GET"
21.        ]
22.    ]);
23.    $handle = fopen("http://download.finance.yahoo.com/d/quotes.csv?f=snl1&s={$_GET["symbol"]}", "r", false, $context);
24.    if ($handle === false)
25.    {
26.        trigger_error("Could not connect to Yahoo!", E_USER_ERROR);
27.    }
28.
29.    // download first line of CSV file
30.    $data = fgetcsv($handle);
31.    if ($data === false || count($data) == 1)
32.    {
33.        trigger_error("Missing data", E_USER_ERROR);
34.    }
35.
36.    // close connection to Yahoo
37.    fclose($handle);
38.
39.    // ensure symbol was found
40.    if ($data[2] === "0.00")
41.    {
42.        trigger_error("Missing price", E_USER_ERROR);
43.    }
44.
45.    // prepare stock as an associative array
46.    $stock = [
47.        "symbol" => $data[0],
```

```
48.     "name" => $data[1],
49.     "price" => floatval($data[2])
50. ];
51.
52. // output stock as JSON
53. header("Content-Type: application/json");
54. print(json_encode($stock));
55.
56. ?>
```

```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <title>register</title>
6.   </head>
7.   <body>
8.     You are registered! (Well, not really.)
9.   </body>
10. </html>
```



```
1. <!DOCTYPE html>
2.
3. <html>
4.   <head>
5.     <meta name="viewport" content="width=device-width">
6.     <script>
7.
8.       function greet()
9.       {
10.         if (typeof(localStorage) !== 'undefined')
11.         {
12.           if (typeof(localStorage['counter']) === 'undefined')
13.           {
14.             localStorage['counter'] = 0;
15.           }
16.           alert('You have visited ' + localStorage['counter'] + ' time(s) before!');
17.           localStorage['counter']++;
18.         }
19.         else
20.         {
21.           alert('Your browser does not support localStorage!');
22.         }
23.       }
24.
25.     </script>
26.     <title>storage</title>
27.   </head>
28.   <body onload="greet()"></body>
29. </html>
```