

```
xmlHttpRequest.send(null);
}
function HandleResponse(response)
{
    document.getElementById('AjaxResponse').innerHTML = response;
}
```

JavaScript—A scripting language that provides the ability for a web page to be interactive. With JavaScript, a web page can react to the user entering information into a textbox and/or clicking a button. If you need to brush up on JavaScript or need additional examples, review the free “The New Boston” (thenewboston.com) videos at:

<https://www.youtube.com/watch?v=yQaAGmHn9s&list=PL46FOA159EC02DF82>

For a more in-depth review of AJAX, review the free “The New Boston” (thenewboston.com) videos at:

https://www.youtube.com/playlist?list=PL6gx4CwL9DGDijSxfSJTASx9eMq_HlenQ.

If you don't know JavaScript, don't get too hung up on the details of this program. Let's just look at a few key points. AJAX uses HTTP GET to request a program, similar to a browser requesting a page. In this example, an instance of the class XMLHttpRequest (which exists in the JavaScript libraries) is named XmlHttpRequest. This object is then used to open the request for the myfirstprogram.php (like opening a pipe). Then the send method of the object sends the request (pushes the water down the pipe). If the file is returned back properly, the output of the file is placed on the HTML web page between div tags with an ID of AjaxResponse. If the browser can't handle AJAX communication, an alert box will display suggesting the user upgrade the browser. Although it is unlikely that anyone is using a browser that cannot interpret AJAX code, you still should handle all possibilities.

Example 2-2. ajaxdemo.html

```
<head> <title>PHP Ajax Demo</title>
<meta charset="utf-8">
<link href="ajaxdemo.css" rel="stylesheet">
<script type='text/javascript' src='Ajax_Example_JavaScript.js'></script></head>
<body>
<div id="wrapper">
    <div id="header"> <h1>PHP Ajax Demo</h1> </div>
    <div id="content"> <h2>"Watch it!!"</h2>
        <p>The words below will be replaced by "Hello World" which is pulled from the
        'myfirstprogram.php' file via AJAX.</p>
<h2>AJAX DEMO</h2>
    <input type='button' onclick='AjaxRequest();' value='Find Hello World!'><br /><br />
    <div id='AjaxResponse'>
        Pay attention... Notice when you click the button that only this section changes.
    </div> </div> <!-- end of content -->
    <div id="footer">Copyright &copy; 2015 Little Ocean Waves - Steve Prettyman
</div><!-- end of footer -->
</div> <!-- end of wrapper -->
</body></html>
```