

Slide 15.4: AJAX sending a request to a server

Slide 15.6: AJAX sending a request to a server (cont.)

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AJAX Sending a Request to a Server (Cont.)

GET Requests

Let AJAX change this text.

Using the GET Method

To send information with the GET method, add the information to the URL:

```
xmlhttp.open( "GET", "demo_get.php?course=CSci457", true );  
xmlhttp.send( );
```

The [demo_get.php](#) uses the variable `$_GET["course"]` to retrieve the value “CSci457.”

POST Requests

Let AJAX change this text.

Using the POST Method

The URL parameter of the open method is an address to a file on a server:

```
xmlhttp.open( "POST", "demo_post.php", true );  
xmlhttp.setRequestHeader( "Content-type",  
    "application/x-www-form-urlencoded" );  
xmlhttp.send( "course=CSci457" );
```

Add an HTTP header with `setRequestHeader` in order to POST data like an HTML form. Specify the data you want to send in the send method. The [demo_post.php](#) uses the variable `$_POST["course"]` to retrieve the value “CSci457.”

Method	Description

`setRequestHeader(header,value)`

Adds HTTP headers to the request.

- **header**: specifies the header name
- **value**: specifies the header value

```
01 <script type="text/javascript">
02   function loadXMLDoc( ) {
03       var xmlhttp;
04       if ( window.XMLHttpRequest ) {
05           // code for IE7+, Firefox, Chrome, Opera, Safari
06           xmlhttp = new XMLHttpRequest( );
07       }
08       else {
09           // code for IE6, IE5
10           xmlhttp = new ActiveXObject( "Microsoft.XMLHTTP" );
11       }
12       xmlhttp.onreadystatechange = function( ) {
13           if ( ( xmlhttp.readyState == 4 ) &&
14               ( xmlhttp.status      == 200 ) ) {
15               document.getElementById( "myDiv" ).innerHTML =
16                   xmlhttp.responseText;
17           }
18       }
19       xmlhttp.open( "POST", "demo_post.php", true );
20       xmlhttp.setRequestHeader( "Content-type", "application/x-www-form-urlencoded" );
21       xmlhttp.send( "course=CSci457" );
22   }
23 </script>
```

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