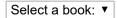
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## **AJAX Database: The JavaScript File**



Book information will be listed here...

When a user selects a book in the dropdown list above, a function called <a href="showBook"><u>showBook</u></a> as below is executed. The showBook function does the following:

- 1. Check if a book is selected.
- 2. Create an XMLHttpRequest object.
- 3. Create the function to be executed when the server response is ready.
- 4. Send the request off to a file on the server.
- 5. A parameter (q) with the content of the dropdown list is added to the URL.

```
function showBook( str ) {
01
      if ( str == "" ) {
02
03
        document.getElementById("txtHint").innerHTML = "";
04
        return;
05
      if ( window.XMLHttpRequest ) {
06
        // code for IE7+, Firefox, Chrome, Opera, Safari
07
        xmlhttp = new XMLHttpRequest( );
08
09
      else {
10
11
        // code for IE6, IE5
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
12
13
      xmlhttp.onreadystatechange = function( ) {
14
15
        if ( ( xmlhttp.readyState == 4 ) &&
                                   == 200 ) ) {
             ( xmlhttp.status
16
          document.getElementById("txtHint").innerHTML =
17
18
            xmlhttp.responseText;
19
20
```

```
21  xmlhttp.open( "GET", "getBook.php?q="+str, true );
22  xmlhttp.send( );
23  }
```

Slide 16.4: AJAX database

Slide 16.6: AJAX database: The PHP file

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