

Slide 16.17: AJAX RSS reader: The JavaScript file

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AJAX RSS Reader: The PHP File

RSS-feed will be listed here...

The file on the server called by the JavaScript is the PHP file [getRSS.php](#). When an RSS-feed is sent from the JavaScript, the following happens:

1. Check which feed was selected.
2. Create a new XML DOM object.
3. Load the RSS document, such as the BBC RSS in [text](#) and [XML](#), in the `xml` variable.
4. Extract and output elements from the `channel` element.
5. Extract and output elements from the `item` element.

```
01 <?php
02 // Get the q parameter from URL.
03 $q = $_GET["q"];
04
05 // Find out which feed was selected.
06 switch ( $q ) {
07     case "Google":
08         $xml = ("http://news.google.com/news?ned=us&topic=h&output=rss");
09         break;
10     case "MSNBC":
11         $xml = ("http://rss.msnbc.msn.com/id/3032091/device/rss/rss.xml");
12         break;
13     case "CNN":
14         $xml = ("http://rss.cnn.com/rss/cnn_topstories.rss");
15         break;
16     case "CBS":
17         $xml = ("http://www.cbsnews.com/feeds/rss/main.rss");
18         break;
19     case "ABC":
20         $xml = ("http://feeds.abcnews.com/abcnews/topstories");
21         break;
```

```
22     case "BBC":
23         $xml = ("http://feeds.bbc.co.uk/news/rss.xml");
24         break;
25     }
26
27     $xmlDoc = new DOMDocument( );
28     $xmlDoc->load( $xml );
29
30     // Get elements from "<channel>".
31     $channel = $xmlDoc->getElementsByTagName('channel')->item(0);
32     $channel_title = $channel->getElementsByTagName('title')
33         ->item(0)->childNodes->item(0)->nodeValue;
34     $channel_link = $channel->getElementsByTagName('link')
35         ->item(0)->childNodes->item(0)->nodeValue;
36     $channel_desc = $channel->getElementsByTagName('description')
37         ->item(0)->childNodes->item(0)->nodeValue;
38
39     // Output elements from "<channel>".
40     echo( "<p><a href='" . $channel_link . "'> . $channel_title . "</a>" );
41     echo( $channel_desc . "</p>" );
42
43     // Get and output "<item>" elements.
44     $x = $xmlDoc->getElementsByTagName('item');
45     for ( $i=0; $i<=2; $i++ ) {
46         $item_title=$x->item($i)->getElementsByTagName('title')
47             ->item(0)->childNodes->item(0)->nodeValue;
48         $item_link=$x->item($i)->getElementsByTagName('link')
49             ->item(0)->childNodes->item(0)->nodeValue;
50         $item_desc=$x->item($i)->getElementsByTagName('description')
51             ->item(0)->childNodes->item(0)->nodeValue;
52
53         echo( "<p><a href='" . $item_link . "'> . $item_title . "</a>" );
54         echo( $item_desc . "</p>" );
55     }
56     ?>
```

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