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AJAX Live Search

AJAX can be used to create more user-friendly and interactive searches. The following example will demonstrate a live search, where you get search results while you type. Live search has many benefits compared to traditional searching:

- Results are shown as you type.
- Results narrow as you continue typing.
- If results become too narrow, remove characters to see a broader result.

Search for an NBA page in the input field below:

This example consists of four pages:

- a client-side simple HTML form,
- a client-side JavaScript file [showResult.js](#),
- a server-side XML file [links.xml](#) to store the results, and
- a server-side PHP file [liveSearch.php](#).

The HTML Form

The example contains a simple HTML form and a link to a JavaScript. When a user types a character in the input field above, the function [showResult.js](#) is executed. The function is triggered by the [onKeyUp](#) event:

```
1 <html>
2 <head><script src="showResult.js"></script></head>
3 <body>
4 <form>
5 <input type="text" size="30" onKeyUp="showResult(this.value)" />
```

```
6     <div id="livesearch"></div>
7   </form>
8 </body>
9 </html>
```

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