

AJAX (Week #11)

Exercise 1

Provide the necessary PHP and HTML code that produces a web page which contains a textfile input. Whenever the user press on any key on the keyboard, a list of suggested named would be provided as in Figure 1 and Figure 2.

Start typing a name in the input field below:

First name:

Suggestions:

Figure 1: Website interface shows a text filed input and a space for showing close suggestions

Start typing a name in the input field below:

First name:

Suggestions: Mohammed

Figure 2: The user typed the letter M and a name has appeared right away in the suggestions space

Hint

```
<?php
// Array with names
$a[] = "Ahmed";
$a[] = "Ibrahim";
$a[] = "Mohammed";
$a[] = "Ziad";
// get the query parameter from URL
$query = $_REQUEST["q"];

$hint = "";
// lookup all hints from array if $q is different from ""
if ($query !== "") {
    $query = strtolower($query);
    $len=strlen($query);
    foreach($a as $name) {
        if (stristr($query, substr($name, 0, $len))) {
```

Create a page named gethint.php ans insert the following code which contains an array of names.

<pre> if (\$hint === "") { \$hint = \$name; } else { \$hint .= ", \$name"; } } } } } } // Output "no suggestion" if no hint was found or output correct values echo \$hint === "" ? "no suggestion" : \$hint; ?> </pre>	
<pre> <form action=""> First name: <input type="text" id="txt1" onkeyup="showHint(this.value)"> </form> </pre>	<p>Create another PHP file which must contain a form with onkeyup event is set to the Ajax function.</p>
<pre> function showHint(str) { var xhttp; if (str.length == 0) { document.getElementById("txtHint").innerHTML = ""; return; } xhttp = new XMLHttpRequest(); xhttp.onreadystatechange = function() { if (xhttp.readyState == 4 && xhttp.status == 200) { document.getElementById("txtHint").innerHTML = xhttp.responseText; } }; xhttp.open("GET", "gethint.php?q="+str, true); xhttp.send(); } </pre>	<p>This is the most important part of the code contains the showHint Ajax function.</p>