AJAX with PHP Seminar Exercise

1. Create a file called index.php, with a proper HTML structure. In the body of the page, write an AJAX routine that displays the server response (whatever that might be) as part of a paragraph that reads "Welcome, [FOLLOWED BY THE SERVER RESPONSE]. Create a separate file called serverresponse.php that uses the echo common to output your name. (Hint: Simply use Javascript's document.write() function within the AJAX onreadystatechange() response event to output a string.)

2. Amend the files in question 1 so that your name is placed into text box when the user clicks a button. (Hint: You will need to put your AJAX routine into a function, preferably in the page's head section, and call that function from an onclick event attached to the button. Use document.getElementById() on the text box to alter its value.)

3. Remove the button and amend your solution so that when you start typing into the text box, it automatically fills with name suggestions. This should be accomplished by altering serverresponse.php so that it creates an array of names (about five for now) and tests to see if the text within the $_GET request is a substring of any of those names. You will need to send the value (i.e. content) of the text box to the server when making the AJAX request. Hint: Attach an onkeyup() event to the textbox, which fires whenever the use presses a key.

4. You will notice that the above program is a little error-prone, as it registers every keystroke within the box, even the backspace. As an extra challenge, try to make this tool more user-friendly.