

```

1  //creating the object that is used to communicate with the server
2  var xhr = new XMLHttpRequest();
3
4
5  function validateEmail(email){
6      var condition = /\S+@\S+/;
7      var valid = condition.test(email);
8      console.log()
9      if (valid == true){
10         return true;
11     }else{
12         document.getElementById('emailResult').innerHTML = "This email is not valid";
13         return false;
14     }
15 }
16
17 //function to do a presenceCheck on the inputs given the array of ids
18 function presenceCheck(ids){
19     //variable to return at the end for a valid form
20     var validForm = false;
21     //loops through array of ids
22     for(counter = 0; counter<ids.length; counter++){
23         //identifies the input and its result DIV
24         var input = document.getElementById(ids[counter]);
25         var inputResult = ids[counter] + "Result";
26         //if the input value is blank an error is printed to the result DIV
27         if (input.value == ""){
28             document.getElementById(inputResult).innerHTML = "please enter a
29             value";
30             validForm = false;
31         }else{
32             //if the input is not blank the error is removed from result
33             validForm = true;
34             document.getElementById(inputResult).innerHTML = "";
35         }
36     }
37     return validForm;
38 }
39
40 //returns the values of inputs in an array
41 function inputValue(ids){
42     var result= [];
43     for(counter=0;counter<ids.length;counter++){
44         result[counter] = document.getElementById(ids[counter]).value
45     }
46     return result;
47 }
48
49
50 function process(){
51     //an array of the ids are declared as they will be used in multiple functions
52     var ids = ["username","password","fullName","email"];
53
54     //performs a presence check on all ids in array and if any are blank the
55     //function is ended
56     if (presenceCheck(ids) == false){
57         return;
58     }
59
60     var email = document.getElementById('email').value;
61     if(validateEmail(email)==false){
62         return;
63     }
64
65     //runs function to retrieve the values of all the inputs
66     var values = inputValue(ids);
67     //checks if the server is ready for request
68     if(xhr.readyState==0 || xhr.readyState==4){
69         //creates the request to be sent to the server
70
71         xhr.open('GET',"http://localhost/supremeBot/signUp.php?username="+values[0]+"&
72         password="+values[1]+"&fullName="+values[2]+"&email="+values[3],true);

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70         //when the state of the server changes, be prepared to respond with this
71         funciton
72         xhr.onreadystatechange = response;
73         //send the request
74         xhr.send(null);
75     }else{
76         //if the server is not ready wait 10 second and try again
77         setTimeout(process(),1000);
78     }
79 }
80
81
82 function response(){
83     //if the server is in a responded state
84     if (xhr.readyState==4){
85         if(xhr.status==200){
86             //retrieve the response XML and decode to be used in HTML
87             console.log(xhr.responseText);
88             var xmlDocumentElement = xhr.responseXML.documentElement;
89             var message = xmlDocumentElement.firstChild.data;
90             //if response is a success
91             if(message=="UserAdded"){
92                 //continue process
93                 window.location.href = "editDetails.html";
94             }else{
95                 //invalid username
96                 document.getElementById("usernameResult").innerHTML = "Username is
97                 already been used!"
98             }
99         }
100     }
101 }
102 //when the window has fully loaded the button is watched for click
103 window.onload=function(){
104
105     var item = document.getElementById("signUpBtn");
106     item.addEventListener("click",process);
107
108 }
109

```