

Aim:

To implement the AJAX in an real time example (ie) form validation

Procedure:

- Step 1: open any one of text editor
- Step 2: create a form having two fields including username and password in a HTML file.
- Step 3: Now, create a JS file wor writing validation script using AJAX.
- Step 4: In that create a function validate username and password under some criteria (ie) Password must be on length of "8". Username must contains atleast "3" characters.
- Step 5: And also empty is validated. Give the output based on the status code returned by AJAX through server.
- Step 6: If the status code 200 and ready state 4, print the response text using innerHTML tag.
- Step 7: Or else print the error.
- Step 8: Stop the program.

Design code:

```
<!DOCTYPE html>  
<html>  
<head>
```



```
<link href="style.css" rel="stylesheet"
      type="text/css">
<script src="script.js"></script>
<head><body>
<div id="mainform">
<div class="innerdiv">
<h2>AJAX IMPLEMENTATION</h2>
<form action="#" id="myform"
      method="post" name="myform">
<table><tr>
<td>Username</td>
<td><input id='username' name='username'
      onblur="validate('username',this.value)"
      type="text"></td>
<td>
<div id='username'></div></td></tr>
<tr>
<td>Password</td>
<td><input id="password1" name="password"
      onblur="validate('password',this.value)"
      type="password"></td>
<td><div id="password"></div>
</td></tr></table></form></div>
</body>
</html>
```

Server.js

```
function checkform()
{
```

```
var name = document.getElementById("username").value;
var password = document.getElementById("password").value;

if (name == '' || password == '')
{
    alert("Fill all fields");
}
else {
    var username1 = document.getElementById("pwd");
    if (username1.innerHTML == "Must be 3+ letters" ||
        password1.innerHTML == "password too short")
    {
        alert("Fill valid information");
    }
    else {
        document.getElementById("myform").submit();
    }
}

function validate(field, query) {
    var xmlhttp;
    if (window.XMLHttpRequest)
    {
        xmlhttp = new XMLHttpRequest();
    }
    else
    {
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
    }
    xmlhttp.onreadystatechange = function()
    {
        if (xmlhttp.readyState != 4 && xmlhttp.
```



```

Status == 200)
document.getElementById (field).innerHTML
    = "validating";
} else if (xmlhttp.readyState == 4 &&
    xmlhttp.status == 200)
{
    document.getElementById (field).
        innerHTML = xmlhttp.responseText;
} else {
    document.getElementById (field).innerHTML
        = "Error Occured" <a href = "index.php">
        Reload or Try again </a> The page;
}
}

```

```

xmlhttp.open ("GET", "validation.php?field=" +
    field + "&query=" + query + false);
xmlhttp.send();
}

```

index.php

```
<?php
```

```
$value = $_GET['query'];
```

```
$formfield = $_GET['field'];
```

```
if ($formfield == "username") {
```

```
    if (strlen ($value) < 4) {
```

```
        echo "Must be 3+ letters";
```

```
    } else {
```

```
        echo "<span> Valid </span>";
```

```
    }
```

```
}
```

Output:

### FORM VALIDATION USING AJAX

Username :  Must be 3+ letters

Password :  Strong



if (formfield == "password")  
 {  
   if (strlen(\$value) < 6) {  
     echo "Password too short";  
   } else {  
     echo "<span>Strong </span>";  
   }  
 }  
 ?>

	Mark	Sign
Preparation		
Observation		
Result		
Viva		
Record		

Result :

Thus the form validation using AJAX was implemented successfully.