

# Sample Programs (AJAX) – B.Tech(IT) – WinterSemester (2014-15)

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## **AJAX enabled HTML to update part of webpage with text file contents**

```
<html>
<head>
    <title>
        Sample for Asynchronous JavaScript and XML
    </title>
</script>
function loadXMLDoc(url)
{
    var xmlhttp;
    var txt,xx,x,i;
    if (window.XMLHttpRequest)
        { // code for IE7+, Firefox, Chrome, Opera, Safari
            xmlhttp=new XMLHttpRequest();
        }
    else
        { // code for IE6, IE5
            xmlhttp=new ActiveXObject("Microsoft.XMLHTTP");
        }
    xmlhttp.onreadystatechange=function()
    {
        if (xmlhttp.readyState==4 && xmlhttp.status==200)
        {
            txt="<table border='1'><tr><th>Title</th><th>Artist</th></tr>";
            x=xmlhttp.responseXML.documentElement.getElementsByTagName("book");
            for (i=0;i<x.length;i++)
            {
                txt=txt + "<tr>";
                xx=x[i].getElementsByTagName("title");
                {
                    try
                    {
                        txt=txt + "<td>" + xx[0].firstChild.nodeValue + "</td>";
                    }
                    catch (er)
                    {
                        txt=txt + "<td>&nbsp;</td>";
                    }
                }
                xx=x[i].getElementsByTagName("author");
                {
                    try
                    {
                        txt=txt + "<td>" + xx[0].firstChild.nodeValue + "</td>";
                    }
                }
            }
        }
    }
}
```

Done by S.Hemalatha/AP(SG)/SITE

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```
        catch (er)
        {
            txt=txt + "<td>&nbsp;</td>";
        }
    }
    txt=txt + "</tr>";
}
txt=txt + "</table>";
document.getElementById('mydiv').innerHTML=txt;
}
}
xmlhttp.open("GET",url,true);
xmlhttp.send();
}</script>
</head>

<body>
<div id="mydiv">
<h3> AJAX changing text </h3>
</div>
<button type="button" onclick="loadXMLDoc()"> Change content </button>
</body>
</html>
```

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## **Insert radio button values to Database with AJAX enabled PHP**

### **insertRadioButton.html**

```
<html>
<head>

<style type="text/css">
.bg
{
color:#00F;
font-weight:bold;
margin:10px;
}
</style>

<html>
<head>
<script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/jquery/1.6.2/jquery.min.js">
</script>
<script type="text/javascript">
$(document).ready(function(){
$("#submit").click(function(){
var game=$('#input[type="radio"]:checked').val();
if($('#input[type="radio"]:checked').length == "0")
{
alert("Select any value");
}
else
{
$.ajax({
type: "POST",
url: "ajax-check.php",
data: "game="+game,
success: function()
{
$("#msg").addClass('bg');
$("#msg").html("value Entered");
}
});
}
return false;
});
}
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```

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```
});  
  
</script>  
  
</head>  
<body>  
<div id="msg"></div>  
<form method="post" action="">  
Select the course to be registered :<br/>  
<input type="radio" name="game" value="ds"> Data Structures<br />  
<input type="radio" name="game" value="dbms"> DBMS<br />  
<input type="radio" name="game" value="webtech"> Web Technologies<br />  
<input type="radio" name="game" value="ip"> Image Processing<br />  
<input type="radio" name="game" value="toc"> Theory of Computation<br /><br />  
<input type="submit" name="submit" id="submit">  
</form>  
</body>  
</html>
```

### **insertValues.php**

```
<?php  
$query=mysql_connect("localhost","root","");  
mysql_select_db('vit',$query);  
if(isset($_POST['game']))  
{  
$choice=$_POST['game'];  
mysql_query("insert into courses values('$choice')");  
}  
?>
```

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### Check for username availability from database Register.php

```
<html>
<head>
<title>Live username availability checking using Ajax jQuery PHP and password
strength indicator</title>
<script type="text/javascript" src="jquery-1.9.1.js"></script>
<script type="text/javascript">
$(document).ready(function(){
    $('#username').keyup(function(){ // Keyup function for check the user action in
input
        var Username = $(this).val(); // Get the username textbox using $(this) or
you can use directly $('#username')
        var UsernameAvailResult = $('#username_avail_result'); // Get the ID of
the result where we gonna display the results
        if(Username.length > 2) { // check if greater than 2 (minimum 3)
            UsernameAvailResult.html('Loading..'); // Preloader, use can use
loading animation here
            var UrlToPass =
'action=username_availability&username='+Username;
            $.ajax({ // Send the username val to another checker.php using
Ajax in POST menthod
                type : 'POST',
                data : UrlToPass,
                url : 'checker.php',
                success: function(responseText){ // Get the result and assign to each
cases
                    if(responseText == 0){
                        UsernameAvailResult.html('<span
class="success">Username name available</span>');
                    }
                    else if(responseText > 0){
                        UsernameAvailResult.html('<span
class="error">Username already taken</span>');
                    }
                    else{
                        alert('Problem with sql query');
                    }
                }
            });
        }else{
            UsernameAvailResult.html('Enter atleast 3 characters');
        }
        if(Username.length == 0) {
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```

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```
        UsernameAvailResult.html(");
    }
});

$('#password, #username').keydown(function(e) { // Dont allow users to enter
spaces for their username and passwords
    if (e.which == 32) {
        return false;
    }
});
$('#password').keyup(function() { // As same using keyup function for get user
action in input
    var PasswordLength = $(this).val().length; // Get the password input using
$(this)
    var PasswordStrength = $('#password_strength'); // Get the id of the
password indicator display area

    if(PasswordLength <= 0) { // Check is less than 0
        PasswordStrength.html(""); // Empty the HTML
        PasswordStrength.removeClass('normal weak strong verystrong');
//Remove all the indicator classes
    }
    if(PasswordLength > 0 && PasswordLength < 4) { // If string length less
than 4 add 'weak' class
        PasswordStrength.html('weak');
        PasswordStrength.removeClass('normal strong
verystrong').addClass('weak');
    }
    if(PasswordLength > 4 && PasswordLength < 8) { // If string length
greater than 4 and less than 8 add 'normal' class
        PasswordStrength.html('Normal');
        PasswordStrength.removeClass('weak strong
verystrong').addClass('normal');
    }
    if(PasswordLength >= 8 && PasswordLength < 12) { // If string length
greater than 8 and less than 12 add 'strong' class
        PasswordStrength.html('Strong');
        PasswordStrength.removeClass('weak normal
verystrong').addClass('strong');
    }
    if(PasswordLength >= 12) { // If string length greater than 12 add
'verystrong' class
        PasswordStrength.html('Very Strong');
        PasswordStrength.removeClass('weak normal
strong').addClass('verystrong');
    }
}
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```

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```
});  
});  
</script>  
<style type="text/css">  
body{  
    margin: 0;  
    padding: 0;  
    font-family: arial;  
    color: #2C2C2C;  
    font-size: 14px;  
}  
h1 a{  
    color:#2C2C2C;  
    text-decoration:none;  
}  
h1 a:hover{  
    text-decoration:underline;  
}  
.as_wrapper{  
    margin: 0 auto;  
    width: 1000px;  
}  
.mytable{  
    margin: 0 auto;  
    padding: 20px;  
    border:2px dashed #17A3F7;  
}  
.success{  
    color:#009900;  
}  
.error{  
    color:#F33C21;  
}  
.talign_right{  
    text-align:right;  
}  
.username_avail_result{  
    display:block;  
    width:180px;  
}  
.password_strength {  
    display:block;  
    width:180px;  
    padding:3px;  
    text-align:center;  
    color:#333;
```

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```
        font-size:12px;
        backface-visibility:#FFF;
        font-weight:bold;
    }
    /* Password strength indicator classes weak, normal, strong, verystrong*/
    .password_strength.weak{
        background:#e84c3d;
    }
    .password_strength.normal{
        background:#f1c40f;
    }
    .password_strength.strong{
        background:#27ae61;
    }
    .password_strength.verystrong{
        background:#2ecc70;
        color:#FFF;
    }
</style>

</head>

<body>
<div class="as_wrapper">
    <h1><a href="">Live username availability checking using Ajax jQuery PHP and
password strength indicator</a></h1>
    <br/><br/>
    <table class="mytable">
    <tr>
        <td class="talign_right">Username</td>
        <td><input type="text" name="username" id="username" /></td>
        <td><div class="username_avail_result" id="username_avail_result"></div></td>
    </tr>
    <tr>
        <td class="talign_right">Password</td>
        <td><input type="text" name="password" id="password" /></td>
        <td><div class="password_strength" id="password_strength"></div></td>
    </tr>
    </table>
</div>
</body>
</html>
```



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### usernameCheck.php

```
<?php

mysql_connect("localhost", "root", "") or die ("Oops! Server not connected"); // Connect
to the host
mysql_select_db("vit") or die ("Oops! DB not connected"); // select the database

if(isset($_POST['action']) && $_POST['action'] == 'username_availability'){ // Check for
the username posted
    $username          = htmlentities($_POST['username']); // Get the username
values
    $check_query = mysql_query('SELECT username FROM users WHERE
username = "'.$username.'" '); // Check the database
    echo mysql_num_rows($check_query); // echo the num or rows 0 or greater than
0
}
?>
```

### SQL queries

```
--
-- Table structure for table `users`
--

CREATE TABLE IF NOT EXISTS `users` (
  `id` int(10) NOT NULL AUTO_INCREMENT,
  `username` varchar(600) NOT NULL,
  `status` int(1) NOT NULL DEFAULT '1',
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=5 ;

--
-- Dumping data for table `users`
--

INSERT INTO `users` (`id`, `username`, `status`) VALUES
(1, 'superuser', 1),
(2, 'metauser', 1),
(3, 'googler', 1),
(4, 'asif18', 1);
```