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//index.php
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://
www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Check Email</title>
<script language="javascript" src="js/check.email.js">
/*
check email address if duplicate or not
*/
</script>
</head>

<body>
email address<br>
<input type="text" name="emailAddress" onChange="check_email_address
(this.value,'emailAddress')">
  <div style="height:70px">
    <div id="emailAddressOutput" style="display:none;"></div><br>
  </div>
  user name<br>
  <input type="text" name="userName" onChange="check_email_address
(this.value,'userName')">
    <div id="userNameOutput" style="display:none"></
div>
</body>
</html>

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//check.user.php
<?php
/*
create table db-test first before checking the system out
*/
$connect = mysql_connect("localhost","root","");
$selectDb = mysql_select_db("db-test",$connect) or die (mysql_error());
if (!empty($_REQUEST['email']))
{
  $qry_select = mysql_query("SELECT email FROM users WHERE email='".
$_REQUEST['email']").");
  if (mysql_num_rows($qry_select)>0)
  {
    echo "a duplicate email has been found";
  }
  else
  {
    echo "you have a valid email address";
  }
}
else if (!empty($_REQUEST['uName']))
{
  $qry_select = mysql_query("SELECT username FROM users WHERE
username='".$_REQUEST['uName']").");

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if (mysql_num_rows($qry_select)>0)
{
    echo "a duplicate username has been found";
}
else
{
    echo "you have a valid username";
}
}
?>

//check.email.js
// JavaScript Document
//Author : Immanuel Dennis H. Lopez
//Filename : check.email.js
//Source : http://www.w3schools.com/php/php_ajax_database.asp
//Description : A very simple ajax handler. This has been modified to
// enable checking of duplicate email address as well
// as duplicate username. A preloading will appear while the data
// is currently being checked in the server.
var xmlHttp
function check_email_address(formValue,userSet)
{
xmlHttp = userGetXmlHttpRequestObject()
if (xmlHttp==null)
{
    alert("Browser does not suport HTTP Request")
    return
}
else
{
    if (userSet=="emailAddress")
    {
        //alert(userSet);
        document.getElementById("emailAddressOutput").style.display="block"//for
loading the images
        var url="check.user.php?userSet="+userSet+"&email="+formValue
+"&sid="+Math.random()
        xmlHttp.onreadystatechange=emailStateChanged
    }
    else if (userSet=="userName")
    {
        document.getElementById("userNameOutput").style.display="block"//for
loading the images
        var url="check.user.php?userSet="+userSet+"&uName="+formValue
+"&sid="+Math.random()
        xmlHttp.onreadystatechange=userStateChanged
    }
    xmlHttp.open("GET",url,true)
    xmlHttp.send(null)
}
}
function emailStateChanged()
{

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if(xmlHttp.readyState==4 || xmlHttp.readyState=="complete")
{
    document.getElementById("emailAddressOutput").innerHTML+xmlHttp.
responseText
}
}
function userStateChanged()
{
    if(xmlHttp.readyState==4 || xmlHttp.readyState=="complete")
    {
        document.getElementById("userNameOutput").innerHTML+xmlHttp.
responseText
    }
}
function userGetXmlHttpRequest()
{
    var xmlHttp=null;
    try
    {
        xmlHttp=new XMLHttpRequest();
    }
    catch(e)
    {
        try
        {
            xmlHttp=new ActiveXObject("Msxml2.XMLHTTP");
        }
        catch(e)
        {
            xmlHttp=new ActiveXObject("Microsoft.XMLHTTP");
        }
    }
    return xmlHttp;
}
```