Lab 10 ( to be done in pairs)

This lab must be shown to the Professor and a record of completion will be kept.

AJAX BASICS

1. Create an html document with the information below.

<html>

<head>

<title>Ajax</title>

<script src="ajaxScript.js"> </script>

</head>

<body>

<h2>AjaxExample</h2>

NAME:

<p id="updateArea">

</p>

<form>

<input type="submit" id ="subBttn" value="Test" onclick="return runAjaxScript();" />

</form>

AGE:

<div id="updateArea2">

</div>

</body>

</html>

1. Create a php as shown below that creates a basic php object, converts it to JSON format, then return the data.

<?php

$object->name="Andrew";

$object->age="38";

$object->phone="647-364-3743";

$jsonFormat =json\_encode($object);

echo $jsonFormat;

?>

1. Create a the following script file and call it ***ajaxScript.js***

function runAjaxScript(){

var aj = new XMLHttpRequest();

aj.onreadystatechange = function(){

if (this.readyState==4 && this.status==200){

var resp = this.responseText;

var recievedObject = JSON.parse(resp);

var section = document.getElementById("updateArea");

var section2 = document.getElementById("updateArea2");

var info = recievedObject.name;

section.innerHTML=info;

section2.innerHTML = recievedObject.age;

}

};

aj.open("GET","sendtime.php",true);

aj.send();

return false;

}

function init(){

var b1 = document.getElementById("subBttn");

b1.onclick=runAjaxScript;

}

window.onload = init;

Test basic AJAX example above and ensure that all aspects are working.

Problem 1:

Using AJAX, create a webpage that uses AJAX for your project or previous addressbook lab.

Parts 2: SERVER SIDE VLAIDATION

Sample code

<!DOCTYPE HTML>

<html>

<head>

<title>Contacts</title>

<style>

.error {color:#FF0000;}

</style>

</head>

<body>

<h2>Contact</h2>

<?php

//define variables and set to empty values

$nameErr = $emailErr = $genderErr = $websiteErr = "";

$name = $email = $gender = $comment = $website = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

if (empty($\_POST["name"])) {

$nameErr = "Name is required";

} else {

$name = test\_input($\_POST["name"]); // clears spaces etc to prep data for testing

//checks for letters and whitespaces using regular expression

if (!preg\_match("/^[a-zA-Z ]\*$/",$name)){ // regular expression check

$nameErr=" Must contain only letters and white spaces";

}

}

if (empty($\_POST["email"])) {

$emailErr = "Email is required";

} else {

$email = test\_input($\_POST["email"]); // clears spaces etc to prep data for testing

}

if (empty($\_POST["website"])) {

$website = "";

} else {

$website = test\_input($\_POST["website"]); // clears spaces etc to prep data for testing

// checks for website format using regular expression

if (!preg\_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~\_|!:,.;]\*[-a-z0-9+&@#\/%=~\_|]/i",$website)){ // regular expression check

$websiteErr=" Must be a valid website";

}

}

if (empty($\_POST["comment"])) {

$comment = "";

} else {

$comment = test\_input($\_POST["comment"]); // clears spaces etc to prep data for testing

}

if (empty($\_POST["gender"])) {

$genderErr = "Gender is required";

}else {

$gender = test\_input($\_POST["gender"]); // clears spaces etc to prep data for testing

}

}

// clears spaces etc to prep data for testing

function test\_input($data){

$data=trim ($data); // gets rid of extra spaces befor and after

$data=stripslashes($data); //gets rid of any slashes

$data=htmlspecialchars($data); //converts any symbols usch as < and > to special characters

return $data;

}

?>

<h2> PHP form Validation example </h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

Name: <input type="text" name="name" value="<?php echo $name;?>"/>

<span class="error">\* <?php echo $nameErr;?></span>

<br/><br/>

E-mail:

<input type="text" name="email" value="<?php echo $email;?>"/>

<span class="error">\* <?php echo $emailErr;?></span>

<br/><br/>

Website:

<input type="text" name="website" value="<?php echo $website;?>"/>

<span class="error"><?php echo $websiteErr;?></span>

<br/><br/>

Comment: <textarea name="comment" rows="5" cols="40"><?php echo $comment;?></textarea>

<br/><br/>

Gender:

<input type="radio" name="gender" value="female"<?php if (isset($gender)&&$gender=="female") echo "checked"?>/>Female

<input type="radio" name="gender" value="male" <?php if (isset($gender)&&$gender=="male") echo "checked"?>/>Male

<span class="error">\* <?php echo $genderErr;?></span>

<br/><br/>

<input type="submit" name="submit" value="Submit"/>

</form>

<?php

echo "<h2> Your Input </h2>";

echo $name."<br/>";

echo $email."<br/>";

echo $website."<br/>";

echo $comment."<br/>";

echo $gender."<br/>";

?>

</body>

</html>

TASK 2:

Create a server side validation as above for ONE instance in your project