**Lab13:PHP Email Validations, Sessions & Cookies**

**1 Email Validation**

<!--.....................Email Validation----------------------!-->

<!DOCTYPE HTML>

<html>

<head>

<style>

.error {color: #FF0000;}

</style>

</head>

<body>

<?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"]);

// check if name only contains letters and whitespace

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

$nameErr = "Only letters and white space allowed";

}

}

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

$emailErr = "Email is required";

} else {

$email = test\_input($\_POST["email"]);

// check if e-mail address is well-formed

if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

$emailErr = "Invalid email format";

}

}

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

$website = "";

} else {

$website = test\_input($\_POST["website"]);

// check if URL address syntax is valid

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

$websiteErr = "Invalid URL";

}

}

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

$comment = "";

} else {

$comment = test\_input($\_POST["comment"]);

}

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

$genderErr = "Gender is required";

} else {

$gender = test\_input($\_POST["gender"]);

}

}

function test\_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<h2>PHP Form Validation Example</h2>

<p><span class="error">\* required field</span></p>

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

Name: <input type="text" name="name">

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

<br><br>

E-mail: <input type="text" name="email">

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

<br><br>

Website: <input type="text" name="website">

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

<br><br>

Comment: <textarea name="comment" rows="5" cols="40"></textarea>

<br><br>

Gender:

<input type="radio" name="gender" value="female">Female

<input type="radio" name="gender" value="male">Male

<input type="radio" name="gender" value="other">Other

<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;

echo "<br>";

echo $email;

echo "<br>";

echo $website;

echo "<br>";

echo $comment;

echo "<br>";

echo $gender;

?>

</body>

</html>

**2) Form Required**

<!--......................PHP Form Required-----------------------!-->

<!DOCTYPE HTML>

<html>

<head>

<style>

.error {color: #FF0000;}

</style>

</head>

<body>

<?php

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$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"]);

}

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

$emailErr = "Email is required";

} else {

$email = test\_input($\_POST["email"]);

}

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

$website = "";

} else {

$website = test\_input($\_POST["website"]);

}

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

$comment = "";

} else {

$comment = test\_input($\_POST["comment"]);

}

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

$genderErr = "Gender is required";

} else {

$gender = test\_input($\_POST["gender"]);

}

}

function test\_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<h2>PHP Form Validation Example</h2>

<p><span class="error">\* required field</span></p>

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

Name: <input type="text" name="name">

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

<br><br>

E-mail: <input type="text" name="email">

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

<br><br>

Website: <input type="text" name="website">

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

<br><br>

Comment: <textarea name="comment" rows="5" cols="40"></textarea>

<br><br>

Gender:

<input type="radio" name="gender" value="female">Female

<input type="radio" name="gender" value="male">Male

<input type="radio" name="gender" value="other">Other

<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;

echo "<br>";

echo $email;

echo "<br>";

echo $website;

echo "<br>";

echo $comment;

echo "<br>";

echo $gender;

?>

</body>

</html>

**3) Cookies**

/\*----------------------PHP cookies..........................\*/

<!DOCTYPE html>

<?php

$cookie\_name = "CosmosCollege";

$cookie\_value = "lalitpur";

setcookie($cookie\_name, $cookie\_value, time() + (86400 \* 30), "/");

?>

<html>

<body>

<?php

if(!isset($\_COOKIE[$cookie\_name])) {

echo "Cookie named '" . $cookie\_name . "' is not set!";

} else {

echo "Cookie '" . $cookie\_name . "' is set!<br>";

echo "Value is: " . $\_COOKIE[$cookie\_name];

}

?>

<p><strong>Note:</strong> You might have to reload the page to see the new value of the cookie.</p>

</body>

</html>

**4) Session**

**a session set**

<?php

// Start the session

session\_start();

?>

<!DOCTYPE html>

<html>

<body>

<?php

// Set session variables

$\_SESSION["favcolor"] = "green";

$\_SESSION["favanimal"] = "cat";

echo "Session variables are set.";

?>

</body>

</html>

**b) session display**

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<body>

<?php

// Echo session variables that were set on previous page php\_session1.php

echo "Favorite color is " . $\_SESSION["favcolor"] . ".<br>";

echo "Favorite animal is " . $\_SESSION["favanimal"] . ".";

?>

</body>

</html>

**c session print**

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<body>

<?php

print\_r($\_SESSION);

?>

</body>

</html>

**d Session variable change**

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<body>

<?php

// to change a session variable, just overwrite it

$\_SESSION["favcolor"] = "yellow";

print\_r($\_SESSION);

?>

</body>

</html>

**e session destroy**

<?php

session\_start();

?>

<!DOCTYPE html>

<html>

<body>

<?php

// remove all session variables

session\_unset();

// destroy the session

session\_destroy();

?>

</body>

</html>