



**SOS IN COMPUTER SCIENCE & APPLICATION
JIWAJI UNIVERSITY**

Class : MBA (E-Commerce) IV Semester

Subject : PHP

Paper Code: (403)

Topic: Creating and validating form in PHP

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PHP Form–

Form :

Dynamic Websites

The Websites provide the functionalities that can use to store, update, retrieve, and delete the data in a database.

What is the Form?

A Document that containing blank fields, that the user can fill the data or user can select the data. Casually the data will store in the data base

Example

Below example shows the form with some specific actions by using post method.

```
<html>
<head>
<title>PHP Form Validation</title>
</head>
<body>
<?php
// define variables and set to empty values
$name = $email = $gender = $comment = $website = "";
if($_SERVER["REQUEST_METHOD"]=="POST"){
    $name = test_input($_POST["name"]);
    $email = test_input($_POST["email"]);
    $website = test_input($_POST["website"]);
    $comment = test_input($_POST["comment"]);
    $gender = test_input($_POST["gender"]);
}
function test_input($data){
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
return $data;
}
?>
<h2>Tutorials Point Absolute classes registration</h2>
<formmethod="post"action="/php/php_form_introduction.htm">
<table>
<tr>
<td>Name:</td>
<td><inputtype="text"name="name"></td>
</tr>
<tr>
<td>E-mail:</td>
<td><inputtype="text"name="email"></td>
</tr>
<tr>
<td>Specific Time:</td>
<td><inputtype="text"name="website"></td>
</tr>
```

```
<tr>
<td>Class details:</td>
<td><textarea name="comment" rows="5" cols="40"></textarea></td>
</tr>
<tr>
<td>Gender:</td>
<td>
<input type="radio" name="gender" value="female">Female
<input type="radio" name="gender" value="male">Male
</td>
</tr>
<tr>
<td>
<input type="submit" name="submit" value="Submit">
</td>
</tr>
</table>
</form>
<?php
    echo "<h2>Your Given details are as :</h2>";
    echo $name;
    echo "<br>";
    echo $email;
    echo "<br>";
    echo $website;
    echo "<br>";
    echo $comment;
    echo "<br>";
    echo $gender;
?>
</body>
</html>
```

Tutorials Point Absolute classes registration

Name:

E-mail:

Specific Time:

Class details:

Gender: Female Male

Your Given details are as :

Validation in PHP -

What is Validation ?

Validation means check the input submitted by the user. There are two types of validation are available in PHP. They are as follows –

Client-Side Validation – Validation is performed on the client machine web browsers.

Server Side Validation – After submitted by data, The data has sent to a server and perform validation checks in server machine.

Some of Validation rules for field–

Field	Validation Rules
Name	Should required letters and white-spaces
Email	Should required @ and .
Website	Should required a valid URL
Radio	Must be selectable at least once
Check Box	Must be checkable at least once
Drop Down menu	Must be selectable at least once

Valid URL

Below code shows validation of URL

```
$website = input($_POST["site"]);

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

Above syntax will verify whether a given URL is valid or not. It should allow some keywords as https, ftp, www, a-z, 0-9,..etc..

Valid Email

Below code shows validation of Email address

```
$email = input($_POST["email"]);

if(!filter_var($email, FILTER_VALIDATE_EMAIL)){
    $emailErr = "Invalid format and please re-enter valid email";
}
```

Above syntax will verify whether given Email address is well-formed or not. If it is not, it will show an error message.

Example

Example below shows the form with required field validation

```
<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"]);
```

```
}
```

```
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"]);
}

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>Absolute classes registration</h2>
```

```
<p><spanclass="error">* required field.</span></p>
```

```
<form method = "post" action = "<?php
    echo htmlspecialchars($_SERVER["PHP_SELF"]);?>">
```

```
<table>
```

```
<tr>
```

```
<td>Name:</td>
```

```
<td><inputtype="text"name="name">
```

```
<spanclass="error">* <?php echo $nameErr;?></span>
```

```
</td>
```

```
</tr>
```

```
<tr>
<td>E-mail: </td>
<td><input type="text" name="email">
<span class="error">* <?php echo $emailErr;?> </span>
</td>
</tr>
```

```
<tr>
<td>Time: </td>
<td><input type="text" name="website">
<span class="error"><?php echo $websiteErr;?> </span>
</td>
</tr>
```

```
<tr>
<td>Classes: </td>
<td><textarea name="comment" rows="5" cols="40"> </textarea> </td>
</tr>
```

```
<tr>
<td>Gender: </td>
<td>
<input type="radio" name="gender" value="female"> Female
<input type="radio" name="gender" value="male"> Male
<span class="error">* <?php echo $genderErr;?> </span>
</td>
</tr>
```

```
<td>
<input type="submit" name="submit" value="Submit">
</td>
</table>
    </form>
<?php
    echo "<h2>Your given values are as:</h2>";
    echo $name;
    echo "<br>";

    echo $email;
    echo "<br>";

    echo $website;
    echo "<br>";

    echo $comment;
    echo "<br>";

    echo $gender;
?>
</body>
</html>
```

It will produce the following result=

Absolute classes registration

* required field.

Name: *

E-mail: *

Time:

Classes:

Gender: Female Male *

Your given values are as :