



Vinayakar Matric Hr.Sec.School

Forms &
Files in
PHP

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Chapter – 8

Forms & Files

Part - 1

- ❖ **Basic HTML Form Controls**
- ❖ **Client Validation**
- ❖ **Server Validation**



PHP and HTML

- ✓ Main objective of PHP and HTML form controls are to collect data from users.
- ✓ In the web development, user access website or web pages from remote client machine and feed the data to server.
- ✓ These are collected via HTML form controls like textbox, dropdown box and radio button etc., and sent to server using server side programming like PHP.

BASIC HTML FORM CONTROLS

TEXT BOX



CHECK BOX

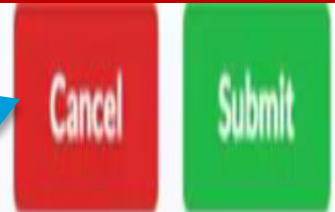
Hobbies

- ☐ Photography
- ☒ Cricket
- ☒ Cycling
- ☐ Writing
- ☒ Gardening
- ☐ Cooking

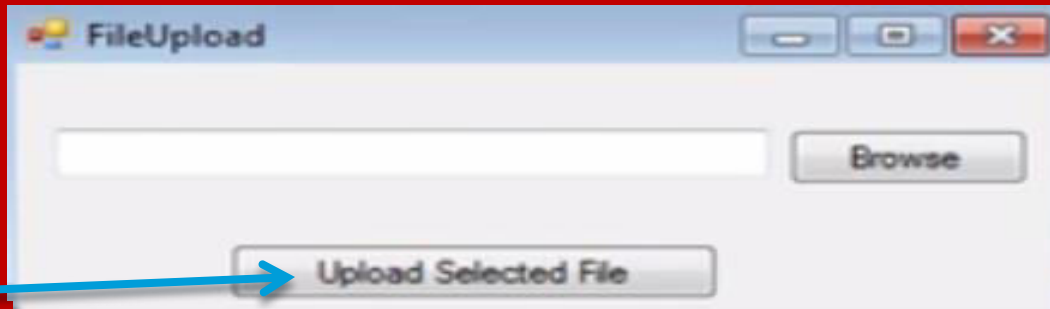
RADIO BOX

- ☐ Male
- ☒ Female
- ☐ Other


BUTTONS



FILE SELECT



SELECT TAG



Basic HTML Form Controls

- ☒ Text inputs
- ☒ Buttons
- ☒ Checkbox
- ☒ Radio box
- ☒ File Select
- ☒ Form Tag

INTRODUCTION

Pizza Shop 2.0	
Name	<input type="text"/>
Pizza Topping	<input type="radio"/> Supreme <input type="radio"/> Vegetarian <input type="radio"/> Hawaiian
Pizza Sauce	<input type="text" value="Tomato"/>
Optional Extras	<input type="checkbox"/> Extra Cheese <input type="checkbox"/> Gluten Free Base
Delivery Instructions: <div><div></div></div>	
<input type="button" value="Send my order"/>	

PHP Basic Form Handling

- ✓ When the user keying the input data in HTML controls and clicks the submit button the request will be generated and reaches a PHP file which is mentioned in the FORM tag under the Action attribute.
- ✓ All input values are synchronized and sent to the server via POST method or GET method.
- ✓ Method is an attribute form tag in HTML. Once the data reaches the server, two PHP variables such as **\$_POST** and **\$_GET** collects the data and prepares the response accordingly

BASIC FORM HANDLING

- `<form action = "server.php" method = "POST">...</form>`

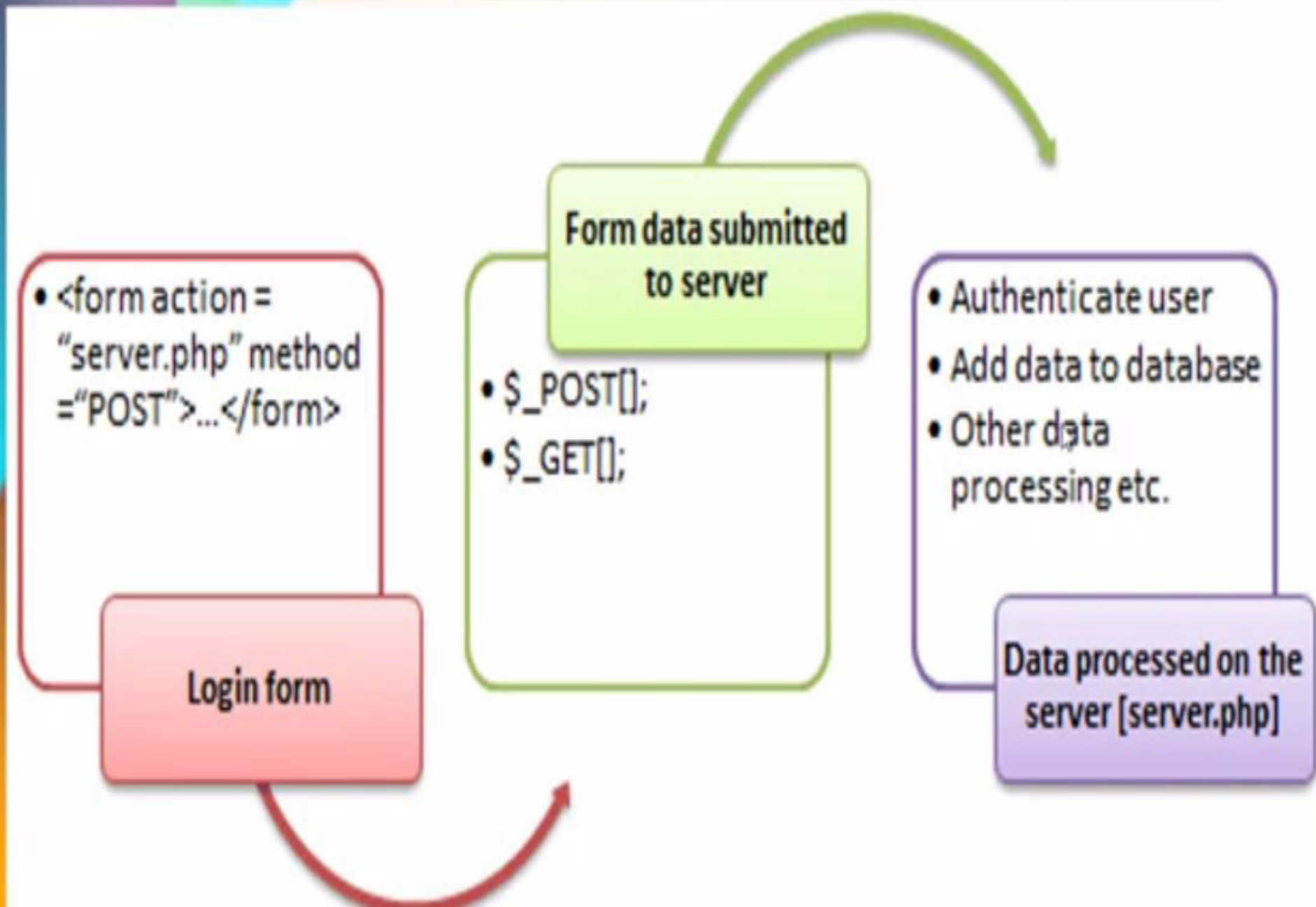
Login form

Form data submitted to server

- `$_POST[];`
- `$_GET[];`

- Authenticate user
- Add data to database
- Other data processing etc.

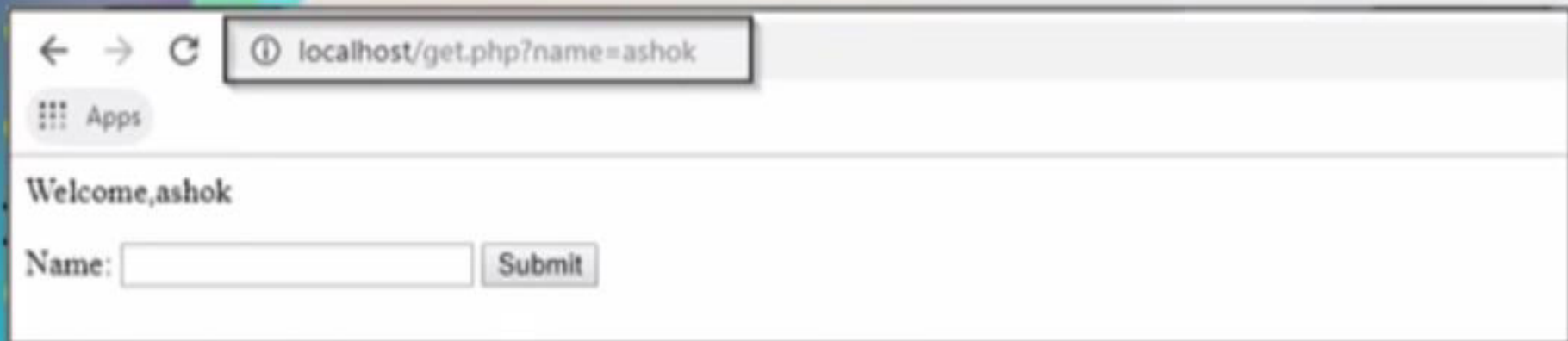
Data processed on the server [server.php]



PHP Basic Form Handling

- ✓ **Post Method:** The input data sent to the server with POST method is stored in the request body of the client's HTTP request.
- ✓ **Get Method:** The input data sent to the server with POST method via URL address is known as query string. All input data are visible by user after they clicks the submit button.

GET METHOD



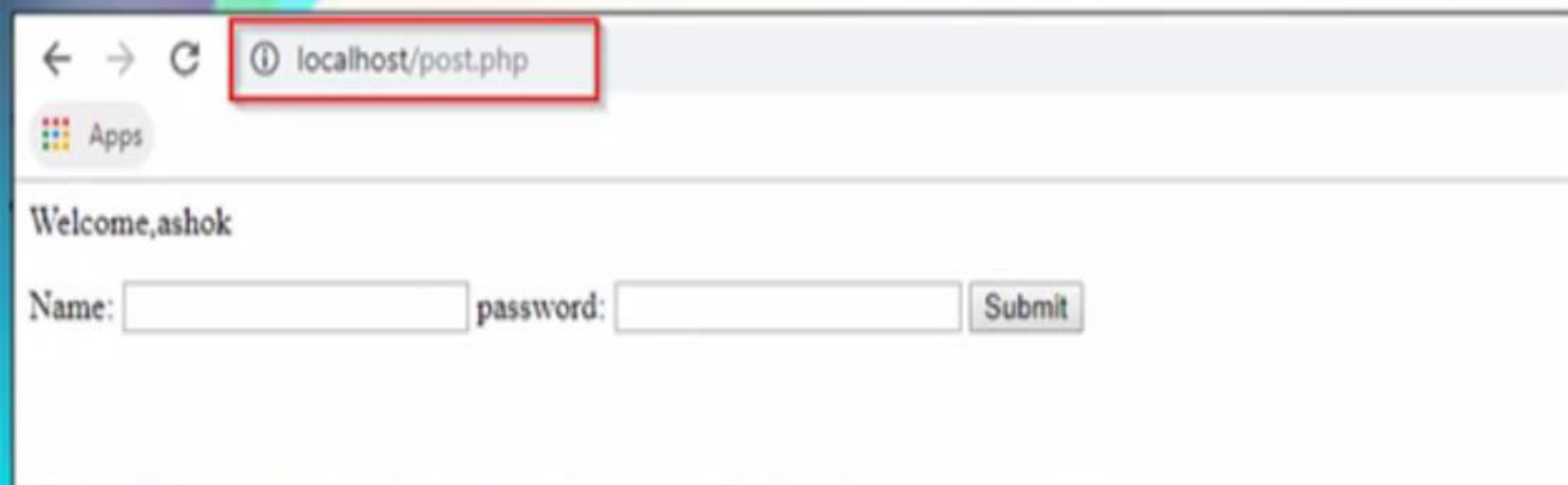
A screenshot of a web browser window. The address bar shows the URL `localhost/get.php?name=ashok`. Below the address bar, there is a text input field containing the text "Welcome,ashok". Below this, there is a form with a label "Name:" followed by an empty text input field and a "Submit" button.

Some other notes on GET requests:

- **GET** requests can be cached
- **GET** requests remain in the browser history
- **GET** requests can be bookmarked
- **GET** requests should never be used when dealing with sensitive data
- **GET** requests have length restrictions
- **GET** requests are only used to request data (not modify)



POST METHOD



A screenshot of a web browser window. The address bar shows 'localhost/post.php' with an information icon on the left and back, forward, and refresh icons on the right. Below the address bar is a tab labeled 'Apps'. The main content area displays 'Welcome, ashok' followed by a form with two input fields labeled 'Name:' and 'password:', and a 'Submit' button.

Some points on POST requests:

- **POST** requests are never cached
- **POST** requests do not remain in the browser history
- **POST** requests cannot be bookmarked
- **POST** requests have no restrictions on data length

EXAMPLE

Example

test.html

```
<html>
<body>
<form action="welcome.php"method="post">
Name: <input type="text"name="name"><br>
E-mail: <input type="text"name="email"><br>
<input type="submit">
</form>
</body>
</html>
```

welcome.php

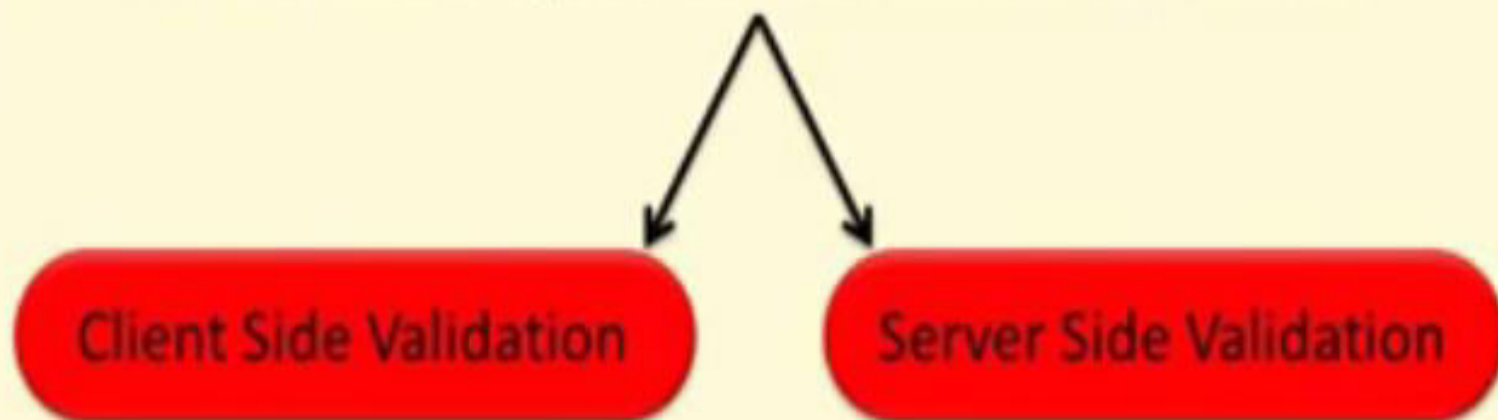
```
<html>
<body>
    Welcome
<?php
    echo $_POST["name"];
?>
<br>
    Your email address is:
<?php
    echo $_POST["email"];
?>
</body>
</html>
```


In “welcome.php” file, PHP variables such as `$_POST` and `$_GET` collect the data and prepare the response accordingly.

Eventually the user will receive the output response in the client machine's browser screen.

Basic PHP Form Validation

- ✓ Validation is a process of checking the input data submitted by the user from client machine.
- ✓ There are two types of validation available in PHP.



Client Validation

- ✓ Before sending the data to server side program (PHP) the programmer can write few validations from browser in the client machine.
- ✓ For this validation, we have to add additional “required” attribute in HTML input tag

Server Side Validation

- ✓ After the submission of data, validations are performed on the server side using the programming like PHP, ASP or JSP etc. available in the server machine.

Form Validation

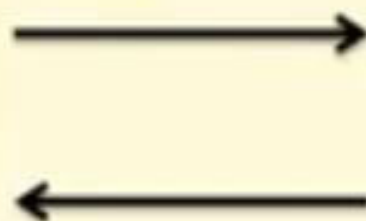
Chapter – 8

HTML, CSS, JS etc.,

PHP, ASP ,JSP ,Python etc.,

Contact Us

First Name	Last Name
<input type="text"/>	<input type="text"/>
E-Mail	Business Phone
<input type="text"/>	<input type="text"/>
Company Name	Job Title
<input type="text"/>	<input type="text"/>
Street	
<input type="text"/>	
City	State/Province
<input type="text"/>	<input type="text"/>
Zip/Postal Code	Country/Region
<input type="text"/>	<input type="text"/>
Topic	
<input type="text"/>	



Front End

Back End



**THANK
YOU !!**