

Experiment No: 4

Create User Registration Form in HTML (Suggested to use fields like Name, Date of Birth, Gender, Email Id, Mobile No, Address, State, Education, Image Upload etc.) using textbox, textarea, checkbox, radio button, select box, button, file upload etc.

Date:

Competency and Practical Skills:

Relevant CO: 1

Objectives:

1. To study HTML Form Tag.
2. To Study Various Input Types like textbox, password, radio button, checkbox etc.

Theory:

HTML Forms are required, when .

- For example, for registration you may collect information like user name, email, contact number, address etc.
- A form will take input from the site visitor and then will post it to a back-end application such as CGI, ASP Script or PHP script etc.
- The back-end application will perform required processing on the passed data based on defined business logic inside the application.
- There are various form elements available like text fields, textarea fields, drop-down menus, radio buttons, checkboxes, etc.
- The HTML **<form>** tag is used to create an HTML form
- **Syntax:**

```
<form action = "Script URL" method = "GET|POST">  
  
    form elements like input, textarea etc.  
  
</form>
```

- **Important form attributes are as given below**

Attribute	Description
action	Backend script ready to process your passed data.
method	Method to be used to upload data. The most frequently used are GET and POST methods.
target	Specify the target window or frame where the result of the script will be displayed. It takes values like _blank, _self, _parent etc.
enctype	You can use the enctype attribute to specify how the browser encodes the data before it sends it to the server . Possible values are – application/x-www-form-urlencoded – This is the standard method most forms use in simple scenarios. multipart/form-data – This is used when you want to upload binary data in the form of files like image, word file etc.

- HTML Form Controls

Control Name	Used for	Sample Code
Text input control Single line text input control	Textbox is used for accepting text from user, like firstname, lastname etc.	<pre><input type = "text" name = "first_name" /></pre>
Text input control Password input control	Password input control is used to accept password from user.	<pre>< input type = "password" name = "password" /></pre>
Text input control Multiline input control.	Teaxtarea is used to accept multiline text input , like comments.	<pre><textarea rows = "5" cols = "50" name = "description"> Enter description here... </textarea></pre>
Checkbox Control	Checkboxes are used when more than one option is required to be selected.	<pre><input type = "checkbox" name = "maths" value = "maths"> Maths <input type = "checkbox" name = "physics" value = "physics"> name = "password" /></pre>

Radio Controls	Radio buttons are used when out of many options, just one option is required to be selected.	<pre><input type = "radio" name = "subject" value = "maths"/> Maths <input type = "radio" name = "subject" value = "physics"/> Physics</pre>
Drop Down box Control	provides option to list down various options in the form of drop down list, from where a user can select one or more options.	<pre><select name = "dropdown"> <option value = "Maths" selected>Maths</option> <option value = "Physics">Physics</option> </select></pre>
File Upload	It allows site users to upload a file to website. it is also known as file select box.	<pre><input type = "file" name = "fileupload" accept = "image/*" /></pre>
Button Control Submit	This creates a button that automatically submits a form.	<pre><input type = "submit" name = "submit" value = "Submit" /></pre>
Button Control Reset	This creates a button that automatically resets form controls to their initial values.	<pre><input type = "reset" name = "reset" value = "Reset" /></pre>
Button Control Button	This creates a button that is used to trigger a client-side script when the user clicks that button.	<pre><input type = "button" name = "ok" value = "OK" /></pre>

Button Control Image	This creates a clickable button but we can use an image as background of the button.	<pre><input type = "image" name = "imagebutton" src = "/html/images/logo.png" /></pre>
Hidden Control	Hidden form controls are used to hide data inside the page which later on can be pushed to the server. This control hides inside the code and does not appear on the actual page.	<pre><input type = "hidden" name = "pagename" value = "10" /></pre>

Implementation:

Create User Registration Form in HTML (Suggested to use fields like Name, Date of Birth, Gender, Email Id, Mobile No., Address, State, Education, Image Upload etc.) using textbox, textarea, checkbox, radio button, select box, button, file upload etc.

Output:**Conclusion:****Quiz:**

1. Explain form tag with its attributes.
2. Differentiate between text input and password input controls.
3. Explain various types of buttons available in HTML.

Suggested Reference:

- https://www.w3schools.com/html/html_forms.asp

References used by the students:**Rubric wise marks obtained:**

Rubrics	1	2	3	Total
Marks				