CT2207	Lab: Web Technology

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Practical No 3.

Aim: CREATE WEB FORM BY USING FORMS IN HTML TAGS(use any example)

Reference :- Virtual lab, w3school

FORMS TAG - THEORY:

What is HTML Form :

HTML Form is a document which stores information of a user on a web server using interactive controls. An HTML form contains different kind of information such as username, password, contact number, email id etc.

The elements used in an HTML form are check box, input box, radio buttons, submit buttons etc. Using these elements the information of an user is submitted on a web server.

The form tag is used to create an HTML form.

SYNTAX/Attributes:

Syntax:-

```
<form>
.
form element
.
</form>
```

Attributes:-

```
<form action="/action_page.php">
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname" value="John"><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname" value="Doe"><br><br>
  <input type="submit" value="Submit">
</form>
```

Text Box:

A text box (input box), text field or text entry box is a control element of a graphical user interface, that should enable the user to input text information to be used by a program.[1][2] Human Interface Guidelines recommend a single-line text box when only one line of input is required, and a multi-line text box only if more than one line of input may be required. Non-editable text boxes can serve the purpose of simply displaying text.

A typical text box is a rectangle of any size, possibly with a border that separates the text box from the rest of the interface. Text boxes may contain zero, one, or two scrollbars. Text boxes usually display a text cursor (commonly a blinking vertical line), indicating the current region of text being edited. It is common for the mouse cursor to change its shape when it hovers over a text box.

SYNTAX/Attributes:

```
<input type="text" id="fname" name="fname" value="John">
```

Radio :-
Radio buttons are normally presented in radio groups (a collection of radio buttons describing a set of related options). Only one radio button in a group can be selected at the same time.

SYNTAX/Attributes:

```
<input type="radio">
```

Check Box:
The checkbox is shown as a square box that is ticked (checked) when activated. Checkboxes are used to let a user select one or more options of a limited number of choices**.**

SYNTAX/Attributes:

<input type="checkbox" id="vehicle1" name="vehicle1" value="Bike">

Text Area:
The <textarea> tag defines a multi-line text input control. The <textarea> element is often used in a form, to collect user inputs like comments or reviews. A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier).

SYNTAX/Attributes:

<textarea></textarea>

Select:
The <select> element is used to create a drop-down list.
The <select> element is most often used in a form, to collect user input.
The name attribute is needed to reference the form data after the form is submitted (if you omit the name attribute, no data from the drop-down list will be submitted).

SYNTAX/Attributes:
```
<select>
    <option></option>
    <option></option>
    <option></option>
    <option></option>
</select>
```

Buttons
SYNTAX/Attributes:
The <button> tag defines a clickable button.
Inside a <button> element you can put text (and tags like <i>, <b>, <strong>, <br>, <img>, etc.). That is not possible with a button created with the <input> element!

```
<!DOCTYPE html> <html>
<body>

<h1>The button Element</h1>
```
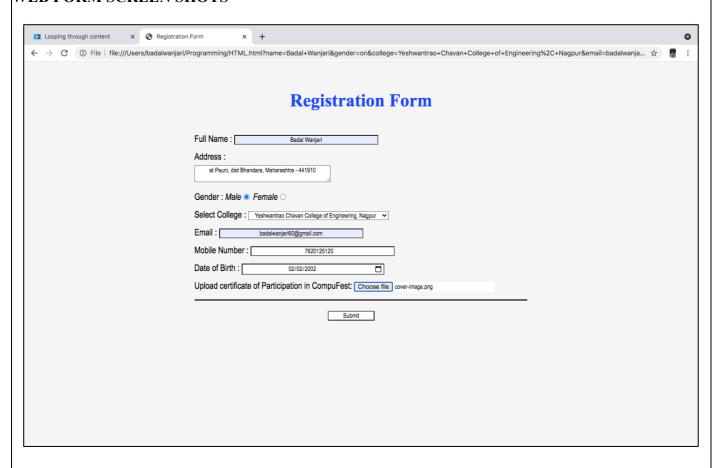
```
<button type="button" onclick="alert('Hello world!')">Click Me!</button>

</body> </html>
```

Attribute	Value	Description
autofocus	autofocus	Specifies that a button should automatically get focus when the page loads
disabled	disabled	Specifies that a button should be disabled
form	form_id	Specifies which form the button belongs to
formaction	URL	Specifies where to send the form-data when a form is submitted. Only for type="submit"
formenctype	application/x-www-form-urlencoded multipart/form-data text/plain	Specifies how form-data should be encoded before sending it to a server. Only for type="submit"
formmethod	get post	Specifies how to send the form-data (which HTTP method to use). Only for type="submit"
formnovalidate	formnovalidate	Specifies that the form-data should not be validated on submission. Only for type="submit"
formtarget	_blank _self _parent _top framename	Specifies where to display the response after submitting the form. Only for type="submit"
name	name	Specifies a name for the button
type	button reset submit	Specifies the type of button

Assignment :
CREATE WEB FORM BY USING FORMS IN HTML TAGS(use any example)
Example : CREATE Registration form

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Registration Form</title>
    <style>
        * {
            background-color: ■whitesmoke;
            font-family: 'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
        }
        #male, #female {
            width: auto;
            height: auto;
        }
        #submit {
            width: 100px;
            margin-left: 40%;
        }
        input,textarea, select{
            width: 300px;
            height: auto;
            background: ■rgb(255, 255, 255);
            text-align: center;
        }
    </style>
</head>
```

```
<body>
    <div style="padding: 10px; width: 50%; margin-left: auto; margin-right: auto; line-height: 2; font-size: 1.2rem;">
        <form>
            <h1 style="font-family:'Times New Roman', Times, serif;text-align: center; color: ▊rgb(28, 69, 255);">
                Registration Form</h1>
            <label for="name">Full Name : </label><input type="text" name="name" id="name">
            <br>
            <label for="address">Address : <br></label><textarea style="height:auto; width: 40%;"></textarea><br>
            <label for="gender">Gender : </label>
            <label for="male"><i>Male</i></label><input type="radio" name="gender" id="male">
            <label for="female"><i>Female</i></label><input type="radio" name="gender" id="female">
            <br>
            <label for="college">Select College : </label><select name="college" id="college">
                <option>---Select Your College---</option>
                <option>Yeshwantrao Chavan College of Engineering, Nagpur</option>
                <option>G.H. Raisoni College of Engineering, Nagpur</option>
                <option>Shri Ramdeobaba College of Engineering and Management, Nagpur</option>
                <option>Government college of Engineering, Nagpur</option>
                <option>Priyadarshani College of Engineering, Nagpur</option>
                <option>K.D.K. College of Engineering, Nagpur</option>
            </select><br>
            <label for="email">Email : </label><input type="email" name="email" id="email"><br>
            <label for="mobNumber">Mobile Number : </label><input type="number" name="tel" id="mobNumber"><br>
            <label for="DoB">Date of Birth : </label><input type="date" name="dob" id="dob"><br>
            <label for="certi">Upload certificate of Participation in CompuFest: </label><input type="file" name="file"id="certi"><br>
            <hr style="height: 2px;background-color: ☐black;">
            <input type="submit" name="Submit" id="submit">
        </form>
    </div>
</body>

</html>
```

Output RESULT :
WEB FORM SCREEN SHOTS

RESULT: I have studied the HTML form and completed given assignment where I created a HTML form using form syntax and attributes.