HTML Form

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HTML Form

- To collect different types of user inputs

- Form controls: input box, check box, radio button, submit button, labels, text area, etc

- **Syntax:**
<html>
  <body>
    <form>
        //input controls e.g. <input>, <label>, <textarea>, <select>
    </form>
  </body>
</html>

<FORM> ELEMENT

- <form> tag is used to create an HTML form

- It contains form elements such as <input>, <textarea>, <label>…. elements.

- **Syntax:**
  <form>
  //Form elements
  </form>

\<FORM> ELEMENT: ATTRIBUTES

Attribute	Description	Value	Syntax
name	Name of form	name	\<form name="form_name ">
action	Specifies the document after the submission of the form data.	URL	\<form action="URL">
method	HTTP method used for sending the data to the web server by the browser	get or post	\<form method="get">

\<FORM\> ELEMENT: ATTRIBUTES

Attribute	Description	Value	Syntax
target	To display response which is received after submitting the form	_blank _self _parent _top	\<form target="_self"\>
enctype	Encoding type of form	mutlipart/form-data application/x-www-form-urlencoded	

<INPUT> ELEMENT

- <input> tag - text field to take one line input from the user.

○ **Attributes:**

Attribute	Description	Value	Syntax
Type	Indicates the type of input control	Text, button, password, radio, checkbox, file, image, reset, submit	<input type="text">

<INPUT> ELEMENT: ATTRIBUTES

Attribute	Description	Value	Syntax
Name	Unique name of control	Name	<input name="name">
value	Provide an initial value inside the control	text	<input type="radio" value=" Male">
size	Specifies the width of the input in characters	number	<input size="4">

<INPUT> ELEMENT: TYPE ATTRIBUTE

1) text
   - define a single-line input text field
   - Syntax: <input type="text" name="username">

2) password
   - Allow user to enter the password securely in a webpage.
   - The entered text in password filed converted into " ☛" character(s).
   - Syntax: <input type="password" name="Password">

3) submit
   - defines a submit button to submit the form to the server.
   - Syntax: <input type="submit" value="submit">

<INPUT> ELEMENT: TYPE ATTRIBUTE

4) reset
- define as button
- Reset all inputted values
- Syntax: <input type="reset" value="Reset">

5) radio
- Defines the radio buttons
- At a time only one radio button option can be selected
- Syntax: <input type="radio" value="Male">

6) checkbox
- Displayed as square boxes which can be checked or unchecked to select the choices from the given options
- Syntax: <input type="checkbox" value="Reading">

<INPUT> ELEMENT: TYPE ATTRIBUTE

7) button

- define as simple push button
- To control a functionally on any event such as, click event.
- Syntax:<input type="button" value="Click me" onclick="alert('Thank you')">

8) file

- Select one or more files from client side.
- Syntax: <input type="file">

9) date

- used to add date control.
- Syntax: <input type="date">

<INPUT> ELEMENT: TYPE ATTRIBUTE

10) number
- define number as value.
- Syntax: <input type="number">

11)   max/min
- specify maximum and minimum range of control.
- Syntax: <input type="number" min="2" max="5">

12) email
- define a field for an e-mail address and validates automatically when submitted.
- Syntax: <input type="email">

13) image
- defines an image as a submit button.
- Syntax: <input type="image" src="path">

<INPUT> ELEMENT: ATTRIBUTES

Attribute	Description	Value	Syntax
maxlength	Maximum number of characters to be entered by user	number	<input maxlength="10">
align	Defines the alignment of content	left, right, top middle, bottom	<input align="right">
autofocus	Element get focus when the page loads	autofocus	<input type="text" autofocus>

<INPUT> ELEMENT: ATTRIBUTES

Attribute	Description	Value	Syntax
checked	Specifies checked property	checked	<input type="radio" checked>
disabled	Disables the input control	disabled	<input type="checkbox" disabled>
placeholder	Specifies a short hint that describes the expected value	Text	<input type="number" placeholder="out of 100">
required	specifies input field must be filled before submitting the form	required	<input type="password" required>

<LABEL> ELEMENT

- <label> tag – label for several form elements.

- **Syntax:**
  <label>
       form content...
  </label>

- **Attribute:**
       for - Id of control

\<TEXTAREA> ELEMENT

- \<textarea> tag – multiple-line text input control

○ **Attributes:**

Attribute	Description	Value	Syntax
rows	Indicates the number of rows of text area box.	number	\<textarea rows="3" cols="30" name="address">
cols	Indicates the number of columns of text area box.	number	
name	Identity of text area.	text	

SELECT BOX CONTROL

- A select box is a drop down list of options.

- Select box is created using the <select> element and <option> element.

- **Syntax:**
<select>
    <option>   </option>
    <option>   </option>
    ...
 <select>

SELECT BOX CONTROL

- **Attributes of <select> tag:**

Attribute	Description	Value	Syntax
name	specify a name of the drop-down list.	text	<select name="city" size="2" multiple="true">
size	specify the number of visible options in a drop-down list.	number	<option>Item1</option> <option>Item2</option>
multiple	Identity of text area.	true/false	</select>

SELECT BOX CONTROL

○ **Attributes of <option> tag:**

Attribute	Description	Value	Syntax
value	Specifies the value to be sent to a server.	text	<select name="city" size="2" multiple="true">
selected	Specifies that an option should be pre-selected when the page loads.	selected	<option value="RJ" selected> Rajstan </option>
label	Specifies a shorter label for an option.	text	</select>

SELECT BOX CONTROL

- **\<optgroup\> tag:**
- Make group of related options in a \<select\> element and label it.

- **Syntax:**

 \<select\>

   \<optgroup label="State of India"\>

      \<option value="GJ"\> Gujarat \</option\>

    \<option value="RJ"\> Rajstan \</option\>

    \<option value="MH"\> Maharastra \</option\>

   \</optgroup\>

 \</select\>

Button Control

<button> tag creates a clickable button

- Put content like text or image within the <button>........</button> tag
- **Attributes:**
  - Name: unique identity
  - Value: display text
  - Type: specify type attribute for a <button> tag

- **Syntax:**

<form>

    <button name="button" value="OK" type="button">Click Here</button>

</form>

<FIELDSET> AND <LEGEND> ELEMENTS

- The <fieldset> element is used to group the related information of a form.
- The <legend> element provide caption for the grouped elements.
- <legend> element always used inside the <fieldset> element.
- **Syntax:**

```
<form>
    <fieldset>
     <legend>User Information:</legend>
          <!--  form controls --->
    </fieldset>
 </form>
```

<FIELDSET> AND <LEGEND> ELEMENTS

- **Example:**

<form>

   <fieldset>

   <legend>User Information:</legend>

   <label for="name">Enter name</label>

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

    <label for="pass">Enter Password</label>

    <input type="Password" name="pass">

    <input type="submit" value="submit">

    </fieldset>

  </form>

Thank you