

HTML Forms Continued

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HTML Form Elements

The various HTML <form> elements that are available and can be used are as below

```
<input>
<label>
<select>
<textarea>
<button>
<fieldset>
<legend>
<datalist>
<output>
<option>
<optgroup>
```

The <input> Element

- Since HTML forms are used to take input from the user, so <input> element is one of the most used form element
- Depending on the type attribute, the <input> element is displayed in several ways
- Ex:
- <label for="age">Age:</label>
- <input type="text" id="age" name="age">

The <label> Element

- The HTML form element <label> , defines a label for several form elements
- This element of HTML form is useful for screen reader users. When the focus of the user is on the input element, the screen reader will read the label
- Some users have difficulty clicking on a very small region(radio button or check box); the label element is helpful. When user clicks on text within <label> element , radio button/checkbox is toggled.
- <input type="checkbox" name="click_lbl" id=" click_lbl " value=" click_lbl "><label for="click_lbl "> Click this label to select.</label>

The <select> Element

- As the name select specifies, the <select> element of HTML form defines a drop-down list

```
<label for="cars">Choose a car:</label>
<select id="car" name="car">
  <option value="maruti">Maruti</option>
  <option value="hyundai">Hyundai</option>
  <option value="skoda">Skoda</option>
  <option value="ford">Ford</option>
</select>
```

- The <option> element defines an option that can be selected from the given options
- The first item in the drop-down list is the default that is selected.

The <select> Element

- If we want to define a pre-selected option, the the select attribute can be added to the option:
- Ex: <option value="ford" selected>Ford</option>
- Visible Values: The size attribute of the HTML form is used to specify the number of visible values

```
<label for="car">Choose a car:</label>
<select id="car" name="car" size="3">
  <option value="maruti">Maruti</option>
  <option value="hyundai">Hyundai</option>
  <option value="skoda">Skoda</option>
  <option value="ford">Ford</option>
</select>
```

The <select> Element

- If we want to allow Multiple Selections, then multiple attribute can be used that allows the user to select more than one value

```
<label for="car">Choose a car:</label>
<select id="car" name="car" size="4">
  <option value="maruti">Maruti</option>
  <option value="hyundai">Hyundai</option>
  <option value="skoda">Skoda</option>
  <option value="ford">Ford</option>
</select>
```

The <textarea> Element

- The <textarea> element defines a text area for multi-line input
- Ex: <textarea name="sample_text" rows="20" cols="40">
The cat was chasing the mouse in the garden </textarea>
- Here, the rows attribute specifies the number of lines that are visible in a text area
- And the cols attribute defines the width of a text area specified.
- The size of text area can also be defined using CSS
- <textarea name="sample_text" style="width:300px; height:700px;">
The cat was chasing the mouse in the garden </textarea>

The <button> Element

- The next import form element is the <button> element which defines a clickable button
- Ex: <button type="button" onclick="alert('Hello World!!!')">Click Me!</button>
- Please Note: Since different browsers might use different default types for button elements, we should always specify the type attribute for button elements.

The <fieldset> and <legend> Elements

- Another important form element <fieldset> is used to group related data in a HTML form
- The <legend> element is used to define a caption for the <fieldset> element

```
<form action="/action_sample.php">
  <fieldset>
    <legend>PersonalInfo:</legend>
    <label for="first_name">First name:</label><br>
    <input type="text" id="first_name" name="first_name" value="Chris"><br>
    <label for="last_name">Last name:</label><br>
    <input type="text" id="last_name" name="last_name" value="Darwin"><br><br>
    <input type="submit" value="Submit">
  </fieldset>
</form>
```

The <datalist> Element

- The <datalist> element, as the name list specifies, is a list of pre-defined options for an <input> element
- Users will be able to see a drop-down list of the pre-defined option when they input data

```
<!DOCTYPE html>
<html>
<body>
<h2>The datalist Element</h2>
<form action="/action_sample.php">
<input list="cars" name="cars">
<datalist id="cars">
<option value="Maruti">
<option value="Ford">
<option value="Skoda">
<option value="Audi">
<option value="Hyundai">
</datalist>
<input type="submit">
</form>
</body>
</html>
```



Thank You
Keep Bashing The Walls

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