

IT WORKSHOP I



HTML 3

17-Jan-23



Topics

- Forms



HTML Forms

- HTML Forms are used the developer wish to gather some data from the website users.
- user registration in websites collect data such as name, email address, gender, etc.
- A form will get input from the site users and then will send it to a form-handler application such as Servlets ,JSP or PHP script etc.
- various form elements are text fields, text area fields, drop-down menus, radio buttons, checkboxes, etc.

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FORMS

- The HTML **<form>** tag is used as a container to holde different form elements and its syntax:

<form **action**="Server Script" **method**="GET|POST">

form elements

</form>

Attribute	Description
action	url of script (form-handler) to process the passed data.
method	Way to be used to send data. The most frequently used are GET and POST methods.

HTML Form elements

- Different form element frequently used to collect information from the users are
 - Text Input elements
 - Checkboxes elements
 - Radio Box elements
 - Select Box elements
 - File Select elements
 - Submit and Reset Button

HTML Form Controls

First Name: ← Text Box

Last Name:

Type of Shirt: ← Drop-down Menu

Size: ☐ Large ☒ Medium ☐ Small ← Radio Buttons

Color: ☐ Red ☒ Navy ☐ Black ← Checkboxes

Comments?

← Text Area

Buy Now!

Reset

← Reset Button
 ← Submit Button



Text Input elements

1. Text Field
2. Password field
3. Text Area

Text Field:

This element is used for input controls that take only one line of user input, like search boxes or name fields.

They are created using HTML **<input>** tag.

Syntax:

```
<input type="text" name="fname"/>
```

default width of an input field is 20 characters.



Text Input Controls

Password field:

- Like text input, password field also a single-line text input but it hide the character as soon as a user enters it.
- Note, the type attribute is set to **password**.

Syntax:

```
<input type="password" name="password" />
```

Textarea:

- This control is preferred when the user is required to give multiple line input value.

```
<textarea rows="10" cols="25" name="address">
```

Example

```

<html>
<body>
<form >
User ID :
<input type="text" name="fname" size="20" maxsize="40"/>
<br>
Password: <input type="password" name="password" /><br>
Description : <br>
<textarea rows="10" cols="25" name="address">
Enter address here...
</textarea>
</form>
</body>
</html>

```

Placeholder, required, autofocus, autocomplete attributes??

Radio Buttons

- Radio buttons are used when only option has to be selected from many options.
- <input> tag but type attribute is set to radio.

Syntax:

<input type="radio" name="name" value="value">

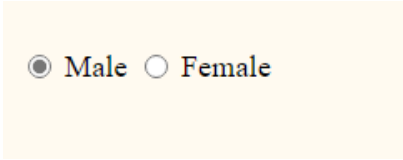
Attribute	Description
type	Refers of input control type and for radio buttons it will be set to radio.
name	Used to uniquely identify the input control at the server side and get the value.
value	The value that will be used if the radio box is selected.
checked	Set to <i>checked</i> to select it by default.

Radio Buttons

```

<html>
<body >
<form>
<input type="radio" name="gender" value="male" checked>
Male
<input type="radio" name="gender" value="female">
Female
</form>
</body>
</html>

```



Checkboxes

- Checkboxes can be used to select more than one option is required to be selected.
- <input> tag but type attribute is set to checkbox

Syntax:

```
<input type="checkbox" name="name" value="value">
```

Attribute	Description
type	for checkbox input control, type attribute will be set to checkbox .
name	Used to uniquely identify the input control at the server side and get the value
value	The value that will be used if the checkbox is selected.
checked	Set to <i>checked</i> , to select it by default.

Example

```
<html>
<body>
<form>
Hobbies
<input type="checkbox" name="hobbie1" value="cricket" > Cricket
<input type="checkbox" name="hobbie2" value="tennis" checked> Tennis
<input type="checkbox" name="hobbie3" value="reading books">
    Reading books</form>
</body>
</html>
```

Hobbies ☐ Cricket ☒ Tennis ☐ Reading books

Select Box

- A select box, also referred as drop down box
- provides control to a collection of different options in the form of drop down list, from which a user can select one or more options.

```
<select name="dropdown">
  <option value="india" selected>India</option>
  <option value="canada">Canada</option>
</select>
```

Example

Country

```
<select name="selcountry">
<option value="">Select Country</option>
<option value="canada">Canada</option>
<option value="india" selected>India</option>
<option value="singapore">Singapore</option>
</select>
```


Colour

```
<select name="selcolor" multiple>
<option value="">Select Color</option>
<option value="pink">pink</option>
<option value="blue">blue</option>
<option value="red">red</option>
</select>
```

The screenshot shows a web form with two controls. The first is a 'Country' dropdown menu with a white background and a grey border. It has a label 'Country' to its left and a dropdown arrow on the right. The selected option is 'India'. The second control is a 'Colour' multiple select menu. It has a label 'Colour' to its left and a list of options: 'pink', 'blue', and 'red'. The options are listed in a grey box with a white background, and the 'pink' option is currently selected.

File Select Box

- This control can enable the user to upload a file the server,
- <input> element but type attribute is set to file.

Syntax :

```
<input type="file" name="fileupload" accept="image/*" />
```

Attribute	Description
name	Used to uniquely identify the input control at the server side and get the value
accept	Refer the types of files that the server accepts.

https://www3.ntu.edu.sg/home/ehchua/programming/webprogramming/HTML_CSS_Intermediate.html

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input>

Example

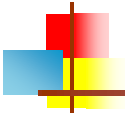
```
<html>
<body>
<form>
<input type="file" name="fileupload" />
</form>
</body>
</html>
```



Button Controls

- Button controls are clickable objects in the form to initiate specific activity.
- `<input>` tag by setting its type attribute to button.
- The type attribute can take the following values:

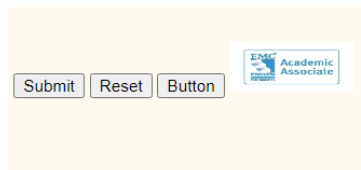
Type	Description
<code>submit</code>	Creates a button control to submits a form to the server.
<code>reset</code>	Creates button control to reset form controls to their initial values.
<code>image</code>	This creates a clickable button but we can use an image as background of the button.
<code>button</code>	Creates button control for page level activity



```

<html>
<body>
<form>
<input type="submit" name="submit" value="Submit" />
<input type="reset" name="reset" value="Reset" />
<input type="button" name="button" value="Button" />
<input type="image" name="imagebutton"
src="C:\Users\IIITK\Desktop\EMC.jpg" height="40"
width="100"/></form>
</body>
</html>

```



Fieldsets & Labels

- Fieldsets are used to enclose a group of related form fields.
- The <legend> tag can be used to set the fieldset's title.

```

<fieldset>
  <legend>Title</legend>
</fieldset>

```

- Form labels are used to associate an text to a form field

```

<label>First Name</label>

```



```

<html>
<form method="post" action="form.aspx">
<fieldset>
  <legend>Client Details</legend>
  <Label>Name:</label><input type="text" id="Name" />
  <Label>Mobile :</label> <input type="text" id="Phone" />
</fieldset>
<fieldset>
  <legend>Button Details</legend>
  <input type="submit" name="submit" value="Submit" />
  <input type="reset" name="reset" value="Reset" />
  <input type="button" name="button" value="Button" />
</fieldset>
</form> </html>

```

Client Details	
Name: <input type="text"/>	Mobile : <input type="text"/>
Button Details	
<input type="submit" value="Submit"/>	<input type="reset" value="Reset"/> <input type="button" value="Button"/>



End