

Web Technology 2

Image, Link & Form

Image

Links

Link Types

Linking Between Frames

Marquee

Form

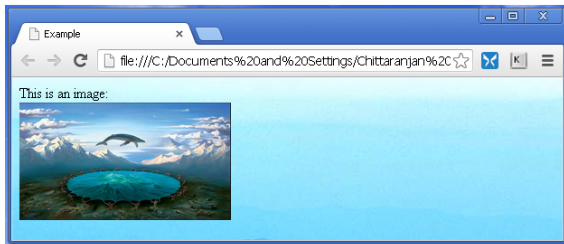
Form Action

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Image

Border can be added to an image by using border attribute.
Similarly, alignment can be set using align attribute

```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<BODY BACKGROUND="Blue.jpg">
This is an image:<BR>
<IMG SRC="test.jpg" ALT="Learning Image" WIDTH=234 HEIGHT=130>
</BODY>
</HTML>
```



Image

Links

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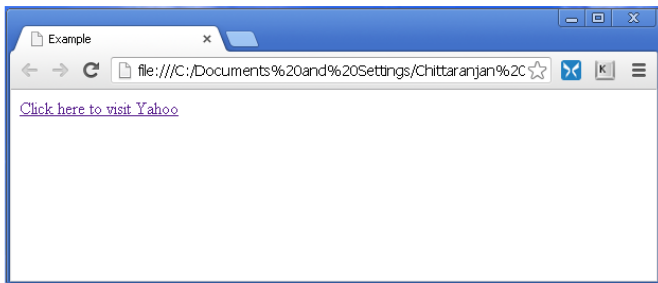
Form

[Form Action](#)

Links

Text Links

```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<BODY>
<A HREF="http://www.yahoo.com">Click here to visit Yahoo</A>
</BODY>
</HTML>
```



Image

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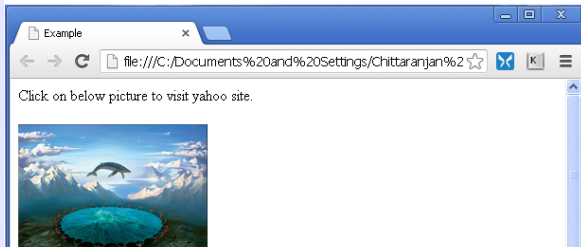
Form

Form Action

Links

Image Links

```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<BODY>
Click on below picture to visit yahoo site.<BR><BR>
<A HREF="http://www.yahoo.com">
<IMG SRC="test.jpg" HEIGHT=150 WIDTH=200>
</A>
</BODY>
</HTML>
```



Image

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Relative Link

- It points to a location that is relative to the current page
- Having a link to *index.html* is a relative link that points to the *index.html* page in the same directory as the current page
- The link can break if you move a file to another directory & thus change the relative position of the link's destination

Site Root-Relative Link

- It points to a location that is relative to the root directory of the site. It begins with a slash /
- Having a link to */index.html* is a site root-relative link that points to the *index.html* page in the root directory of the site. Ex: This is used to have all images in an images directory and then to link images
- The link stays the same no matter what directory the current page is in

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Link Types...

Absolute Link

- It is simply one that includes the entire path to the file
- These are generally used for links that need to point to a different site than the one on which your page is located

Image

Links

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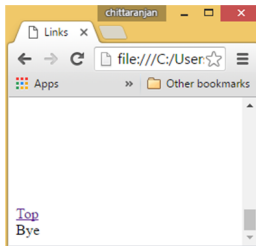
Form

Form Action

In-Text Link

- It is one that links to some other part of the same page

```
<HTML>
<HEAD>
<TITLE>Links</TITLE>
</HEAD>
<BODY>
<a name="T"></a>
Welcome
<BR><BR><BR><BR><BR><BR><BR><BR>
<BR><BR><BR><BR><BR><BR><BR><BR>
<BR><BR><BR><BR><BR><BR><BR><BR>
<BR><BR><BR><BR><BR><BR><BR><BR>
<BR><BR><BR><BR><BR><BR><BR><BR>
<a href="#T"> Top</a> <BR>
Bye
</BODY>
</HTML>
```



Linking Between Frames

Linking Between Frames

Main.html

```
<HTML>
<HEAD>
<TITLE> Main </TITLE>
</HEAD>
<FRAMESET cols="50%,50%">
  <FRAME SRC="left.html" name="left">
  <FRAME SRC="right.html" name="right">
</FRAMESET>
</HTML>
```

left.html

```
<HTML>
<HEAD>
<TITLE> Left </TITLE>
<HEAD>
<BODY>
<a HREF="abt.html" target="right"> About Us </a> <BR>
<a HREF="login.html" target="right"> Log In </a>
</BODY>
</HTML>
```

right.html

```
<HTML>
<HEAD>
<TITLE> Right </TITLE>
<HEAD>
<BODY>
Right Frame
</BODY>
</HTML>
```

Image

Links

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Form Action

Linking Between Frames...

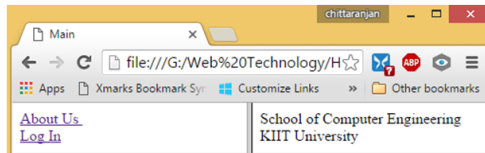
Linking Between Frames

abt.html

```
<HTML>
<HEAD>
<TITLE> About Us </TITLE>
</HEAD>
<BODY>
School of Computer Engineering <BR>
KIIT University
</BODY>
</HTML>
```

login.html

```
<HTML>
<HEAD> <TITLE> Login </TITLE> </HEAD>
<BODY>
<FORM>
<LABEL for="uid">UserID</LABEL>
<INPUT TYPE="TEXT" NAME="uid"><BR>
<LABEL for="pwd">Password</LABEL>
<INPUT TYPE="password" NAME="pwd"><BR>
<INPUT TYPE="Submit" VALUE="Submit">
</FORM>
</BODY>
</HTML>
```



Image

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Marquee

Marquee

Marquee is used to set a scrolling text or image

- direction: left, right, up, down
- behavior: scroll, slide, alternate
- scrollamount:

```
<HTML>
<HEAD> <TITLE>Example</TITLE></HEAD>
<BODY>
<marquee behavior="scroll" direction="left"
scrollamount="1">Slow scroll speed</marquee>
<marquee behavior="alternate" direction="left"
scrollamount="10">Fast scroll speed</marquee>
<marquee behavior="scroll" direction="up"><IMG
SRC="Baboon.bmp" width="100" height="100"></marquee>
</BODY>
</HTML>
```



Form

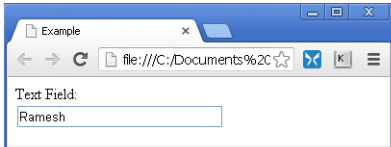
- An HTML form is a section of a document containing normal content, markup, special elements called controls (checkboxes, radio buttons, menus, etc.), and labels on those controls
- A single page can include several different forms, but you cannot nest one form inside another
- The name attribute identifies each form on the page. It is also needed for programs that retrieve values from the form
- HTML Forms are required when you want to collect some data from the site visitor
- The control type defined by the INPUT element depends on the value of the type attribute
- **placeholder** attribute specifies a short hint that describes the expected value of an input field

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Text Box

It is a text box where user can enter some characters

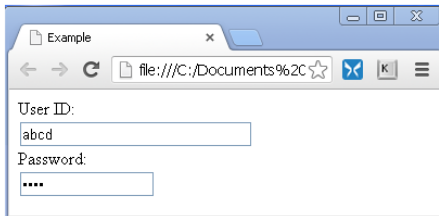
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
Text Field:<br>
maxlength=10 value="Ramesh">
</form>
</HTML>
```

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Password

A password field is a text box in which the characters typed by the user are displayed as bullets or asterisks

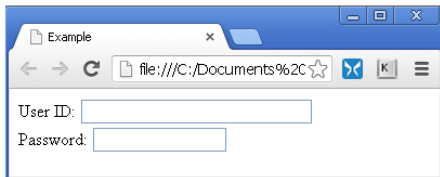
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
User ID:<br>
<input type="text" name="uid" id="uid" size=30><br>
Password:<br>
<input type="password" name="pwd" id="pwd" size=15>
</form>
</HTML>
```

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Label

You must bind the label to the id attribute of the field

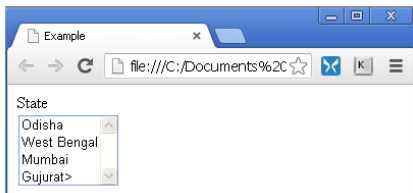
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<u>label for="uid">User ID:</label>
<input type="text" name="uid" id="uid" size=30><br>
<label for="pwd">Password:</label>
<input type="password" name="pwd" id="pwd" size=15>
</form>
</HTML>
```

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Selection List

A selection list is a list box from which a user selects a particular value or set of values

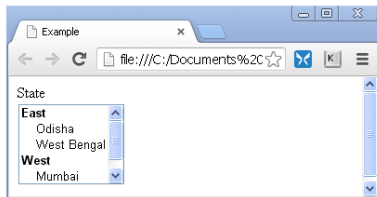
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
State<br>
<select name="state" id="state" multiple="true">
<option>Odisha
<option>West Bengal
<option>Mumbai
<option>Gujurat
</select>
</form>
</HTML>
```

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Selection List

Option Group is used to organize selection lists into distinct groups

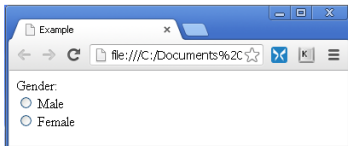
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
State<br>
<select name="state" id="state" multiple="true" size="5">
  <optgroup label="East">
    <option>Odisha
    <option>West Bengal
  </optgroup>
  <optgroup label="West">
    <option>Mumbai
    <option>Gujurat>
  </optgroup>
</select>
</form>
</HTML>
```

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Radio Buttons

Radio buttons display a list of choices from which a user makes a selection

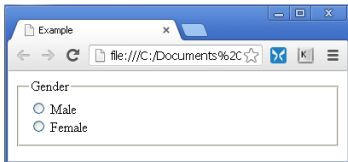
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
Gender:<br>
☐
```

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Group Box

It is a box placed around a set of fields that indicates that they belong to a common group

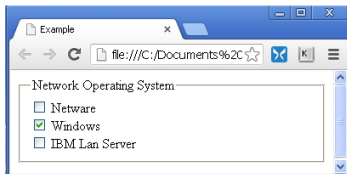
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
  <u>fieldset</u>
  <u>legend align="top">Gender</u></legend>
  <input type="radio" name="gender" id="male" value="male">
  <label for="male">Male</label><br>
  <input type="radio" name="gender" id="female" value="female">
  <label for="female">Female</label>
</fieldset>
</form>
</HTML>
```

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Check Boxes

A check box is either selected or not

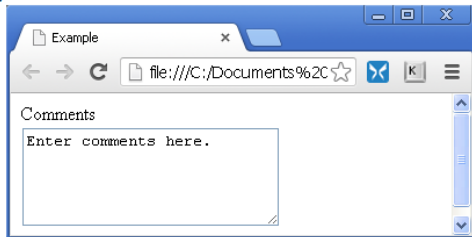
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<fieldset>
<legend align="top">Network Operating System</legend>
<input type="checkbox" name="nw" id="nw" value="yes">
<label for="nw">Netware</label><br>
<input type="checkbox" name="win" id="win" value="yes" checked="checked">
<label for="win">Windows</label><br>
<input type="checkbox" name="ibm" id="ibm" value="yes">
<label for="ibm">IBM Lan Server</label>
</fieldset>
</form>
</HTML>
```

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Text Area

It is an extension of a text field, where the text can span multiple lines

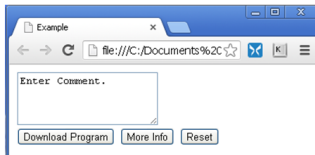
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<label for="cmt">Comments</label><br>
<u><textarea name="cmt" id="cmt" rows="5" cols="25">
Enter comments here.
</textarea>
</form>
</HTML>
```

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Buttons

- A submit button is a button that submits the form
- A reset button resets the form to its original (default) values
- Push buttons by themselves perform no actions in the Web page. To create an action, write a script or program that runs automatically when the button is clicked

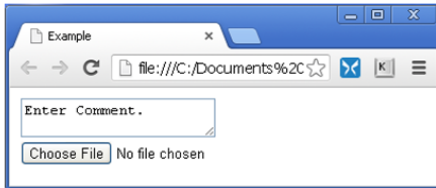
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<textarea name="cmt" id="cmt" rows="4" cols="20">
Enter Comment.
</textarea><br>
<input type="submit" name="dload" value="Download Program">
<input type="button" name="info" value="More Info">
<input type="reset">
</form>
</HTML>
```

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File Button

It is used to choose a file

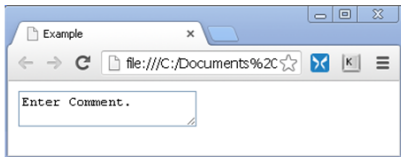
```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<textarea name="cmt" id="cmt" rows="2" cols="20">
Enter Comment.
</textarea><br>
<input type="file" name="file_name">
</form>
</HTML>
```

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Hidden Field

A hidden field is added to the form but not displayed in the Web page. Because the field is hidden, it can be placed anywhere between the opening and closing <form> tags

```
<HTML>
<HEAD>
<TITLE>Example</TITLE>
</HEAD>
<form name="reg">
<textarea name="cmt" id="cmt" rows="2" cols="20">
Enter Comment.
</textarea><br>
<!-- email address of recipient-->
<input type="hidden" name="email" value="abc@yahoo.com">
</form>
</HTML>
```

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Form Action

- After adding the elements to your form, you'll need to specify where to send the form data and how to send it. The attributes are:
 - action
 - method
 - enctype
- The **get** method is the default
 - get appends the form data to the end of the URL specified in the action attribute
- The **post** method sends form data in a separate data stream, allowing the Web server to receive the data through standard input
 - the post method is considered the preferred way of sending data to a Web server

<FORM ACTION = "Example.html" METHOD = post >

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