

HTML Forms

IT WS I - Lecture 07

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Introduction

- HTML forms are used to take input from user.
- Input can be simple text like username, password or it could be file upload.
- The values supplied by user cant be supplied to HTML page as HTML is not a programming language and can't do anything with user input.
- Forms take an action parameter which is used to specify where the values should be submitted.
- There are two methods of submitting values: GET, POST



Seeing submitted values

In order to see values submitted on form you can set action to

```
http://www.sbarjatiya.in/website/courses/  
2011/monsoon/sace/lectures/print_global_variables.php
```

The above page will print all the values given to it by both POST, GET methods.

At time of this writing www.sbarjatiya.in is down :(so you can replace www.sbarjatiya.in with 10.5.1.222 IP address.



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Text Input

Simple form with two input boxes.

Example

```
<form action="action.php" method="POST">  
Username : <input type="text"  
    name="username" id="username" value="" /> <br />  
Email address : <input type="text"  
    name="email" id="email" value="" /> <br />  
<input type="submit" value="Submit" />  
</form>
```

Refer sample file: text_input.html



Password Input

Simple form which takes username and password:

Example

```
<form action="action.php" method="POST">  
Username : <input type="text"  
          name="username" id="username" value="" /> <br />  
Password : <input type="password"  
          name="password" id="password" value="" /> <br />  
<input type="submit" value="Login" />  
</form>
```

Refer sample file: password_input.html



Radio buttons

Form which provides choice between section A and section B

Example

```
<form action="action.php" method="POST">  
Section: <br />  
<input type="radio" name="section"  
  value="A" /> A <br />  
<input type="radio" name="section"  
  value="B" /> B <br />  
<input type="submit" value="Submit" />  
</form>
```

Refer sample file: radio_button.html



Check box

Form that demonstrates use of check box

Example

```
<form action="action.php" method="POST">  
  I like IT WS I: <input type="checkbox"  
    name="itwsi" value="yes" /> <br />  
  I like Computer programming: <input \  
    type="checkbox" name="cp"  
    value="yes" /> <br />  
<input type="submit" value="Submit" />  
</form>
```

Refer sample file: check_box.html



Drop down box

Example that demonstrates use of drop down box

Example

```
<form action="action.php" method="POST">
  You joined IIIT in year:
  <select name="year">
    <option value="2006">2006</option>
    <option value="2007">2007</option>
    <option value="2008">2008</option>
    <option value="2009">2009</option>
  </select> <br />
  <input type="submit" value="Submit" />
</form>
```

Refer sample file: [drop_down_box.html](#)



Select list

Example that demonstrates use of select list

Example

```
<form action="action.php" method="POST">
  You like following courses:
  <select name="course[]" multiple="yes">
    <option value="cp">C programming</option>
    <option value="itwsi">IT WS I</option>
    <option value="english">English</option>
    <option value="maths">Maths</option>
  </select> <br />
  <input type="submit" value="Submit" />
</form>
```

Refer sample file: [select_list.html](#)



Textarea

Example that demonstrates use of textarea

Example

```
<form action="action.php" method="POST">  
  Please enter your address: <br />  
  <textarea rows="4" cols="40"  
    name="address"></textarea> <br />  
  <input type="submit" value="Submit" />  
</form>
```

Refer sample file: textarea.html



Button

Sample code that uses buttons

Example

```
<form action="action.php" method="POST">  
  <button type="button" name="hi" id="hi"  
    onclick="alert('hi');">hi</button> <br />  
  <input type="button" value="hello"  
    name="hello" onclick="alert('hello'); />  
<br />  
</form>
```

Refer sample file: button.html



Default values

Most of the HTML form elements can take default values. The method of providing default value may differ between different HTML elements. Hence refer two sample files provided with lecture slides with name like `<HTML element>2`, for seeing sample code where default values are provided for that HTML element.

See example files `text_input2.html`, `radio_button2.html`, `check_box2.html`, `drop_down_box2.html`, `select_list2.html` and `textarea2.html` to see how to provide default values for various HTML elements.



Label

Sample code that uses labels

Example

```
Section: <br />
<input type="radio" name="section" value="A"
      id="section_a" /> <label
      for="section_a">A</label> <br />
<input type="radio" name="section" value="B"
      id="section_b" /> <label
      for="section_b">B</label> <br />
<input type="submit" value="Submit" />
```

Refer sample file: label.html



Fieldset

Sample code that uses fieldset

Example

```
<fieldset>
  <legend>Login:</legend>
  Username : <input type="text" name="username"
             id="username" value="" /> <br />
  Password : <input type="password"
             name="password" id="password" value="" />
             <br />
  <input type="submit" value="Login" />
</fieldset>
```

Refer sample file: [fieldset.html](#)



Optgroup

Sample code that uses optgroup

Example

```
<select name="year">
  <optgroup label="Present UG3/UG4">
    <option value="2006">2006</option>
    <option value="2007">2007</option>
  </optgroup>
  <optgroup label="Present UG1/UG2/PG1/PG2">
    <option value="2008">2008</option>
    <option value="2009">2009</option>
  </optgroup>
</select> <br />
```

Refer sample file: [optgroup.html](#) and [optgroup2.html](#)



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Introduction

- We can use frames to open multiple HTML pages in same browser tab / window.
- By default frames have re-sizable borders.
- We can create frames without borders.
- We can create frames with non-resizable borders.
- Very old browsers may not support frames. In that case we can specify page without frames that should be displayed in those browsers.
- We can open other sites in frames.
- We can have both horizontal and vertical frames.
- We can frames inside pages.



Horizontal frames

Example

```
<frameset rows="25%,50%,25%">  
  <frame src="frame_a.html" name="frame_a">  
  <frame src="frame_b.html" name="frame_b">  
  <frame src="frame_c.html" name="frame_c">  
</frameset>
```

See sample index.html file in frames/horizontal folder



Vertical frames

Example

```
<frameset cols="25%,50%,25%">  
  <frame src="frame_a.html" name="frame_a">  
  <frame src="frame_b.html" name="frame_b">  
  <frame src="frame_c.html" name="frame_c">  
</frameset>
```

See sample index.html file in frames/vertical folder



Frame samples

- To see sample page with frames without border see index.html file in frames/horizontal_frames_without_border folder
- To see sample page with frames with fixed border see index.html file in frames/horizontal_frames_with_fixed_border
- To see sample page with frames that open pages of other sites see index.html file in frames/horizontal_frames_opening_other_sites
- To see how to use `<noframes>` tag, see sample file index.html in frames/using_noframes



Mixed frames

Example

```
<frameset rows="25%,75%">
  <frame src="frame_a.html" name="frame_a">
  <frameset cols="50%,50%">
    <frame src="frame_b.html" name="frame_b">
    <frame src="frame_c.html" name="frame_c">
  </frameset>
</frameset>
```

See sample index.html file in frames/mixed folder



iframe

Example

```
<iframe src="http://www.google.co.in/"  
  width="45%" height="45%">  
  <p>Your browser does not support iframes.</p>  
</iframe>
```

See sample file `iframe.html`

