# Web Engineering
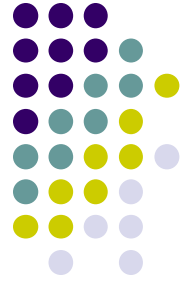
# Tables

- Tables are defined with the <table> tag. A table is divided into rows (with the <tr> tag), and each row is divided into data cells (with the <td> tag). The letters td stands for "table data," which is the content of a data cell. A data cell can contain text, images, lists, paragraphs, forms, horizontal rules, tables, etc.

# Example

```
<table border="1">
  <tr>
        <td>row 1, cell 1</td>
        <td>row 1, cell 2</td>
  </tr>
  <tr>
        <td>row 2, cell 1</td>
        <td>row 2, cell 2</td>
  </tr>
</table>
```

How it looks in a browser:

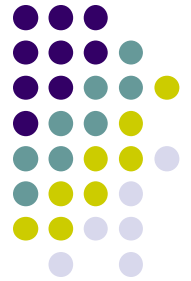| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 | row 2, cell 2 |

# Tables and the Border Attribute

If you do not specify a border attribute the table will be displayed without any borders. Sometimes this can be useful, but most of the time, you want the borders to show.

*<table border="0">*

*<table border="1">*

# Headings in a Table

Headings in a table are defined with the <th> tag.

```
<table border="1">
    <tr>
        <th>Heading</th>
        <th>Another Heading</th>
    </tr>
    <tr>
        <td>row 1, cell 1</td>
        <td>row 1, cell 2</td>
    </tr>
</table>
```

| Heading | Another Heading |
|---|---|
| row 1, cell 1 | row 1, cell 2 |

# Spans two columns

```
<table border="1">
    <tr>
        <th>Name</th>
        <th colspan="2">Telephone</th>
    </tr>
    <tr>
        <td>Bill Gates</td>
        <td>555 77 854</td>
        <td>555 77 855</td>
    </tr>
</table>
```

| Name | Telephone | |
|------|-----------|---|
| Bill Gates | 555 77 854 | 555 77 855 |

# Spans two Rows

```
<table border="1">
    <tr>
        <th>First Name:</th>
        <td>Bill Gates</td>
    </tr>
    <tr>
        <th rowspan="2">Telephone:</th>
        <td>555 77 854</td>
    </tr>
    <tr>
        <td>555 77 855</td>
    </tr>
</table>
```

| First Name: | Bill Gates |
|---|---|
| Telephone: | 555 77 854 |
| | 555 77 855 |

7/17/2013

# Other attributes of Table

- <table border="1" *bgcolor="red"*>

- <table border="1" *background="clouds.jpg"*>

- <td *bgcolor="red"*>First</td>

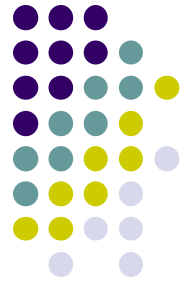- <td *background="clouds.jpg"*>First</td>

- <td *align="left"*>

# Forms

A form is an area that can contain form elements.

Form elements are elements that allow the user to enter information (like text fields, text area fields, drop-down menus, radio buttons, checkboxes, etc.) in a form.

**<form>**

**---------**

**---------**

**</form>**

# Input --- Text Fields

The most used form tag is the <input> tag. The type of input is specified with the type attribute.

Text fields are used when you want the user to type letters, numbers, etc. in a form.

<form>

First name: <input type="text" name="firstname">

<br>
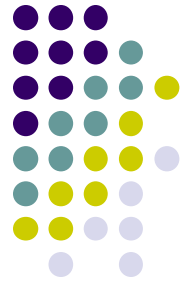
Last name: <input type="text" name="lastname">

</form>

First name: [                              ]

Last name: [                              ]

# Radio Button

Radio Buttons are used when you want the user to select one of a limited number of choices.

```
<form>
    <input type="radio" name="gender" value="male"> Male
    <br>
    <input type="radio" name="gender" value="female">
    Female
</form>
```

◯ Male

◯ Female

# Checkboxes

Checkboxes are used when you want the user to select one or more options of a limited number of choices.

```
<form>
    I have a bike: <input type="checkbox" name="vehicle" value="Bike" /><br >
    I have a car: <input type="checkbox" name="vehicle" value="Car" /><br >
    I have an airplane:<input type="checkbox" name="vehicle" value="Airplane" >
</form>
```
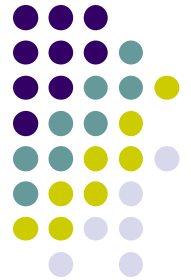
I have a bike: ☐

I have a car: ☐

I have an airplane: ☐

# Drop Down Box

```
<select name="country">
        <option value="pakistan">Pakistan</option>
        <option value="india">India</option>
</select>
```
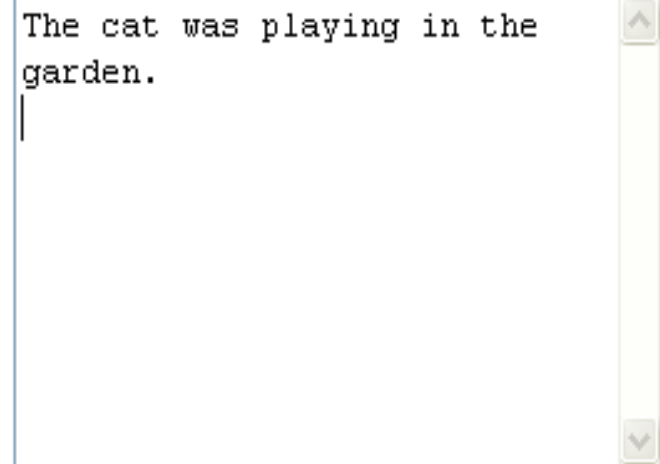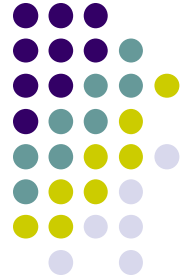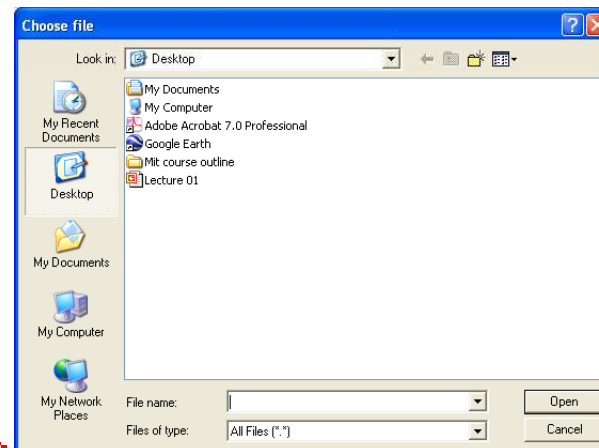
# Text Area

<textarea rows="10" cols="30">

    The cat was playing in the garden.

</textarea>

```
The cat was playing in the
garden.

|
```

# File Upload

<input type="file"  name="uploadedfile" >

# Button

```
<form >
    <input type="submit" value="Submit!">
</form>
```

Submit!