HTML Forms

Entering User Data from a Web Page

HTML Form

First Name :

Last Name :

Date of Birth :

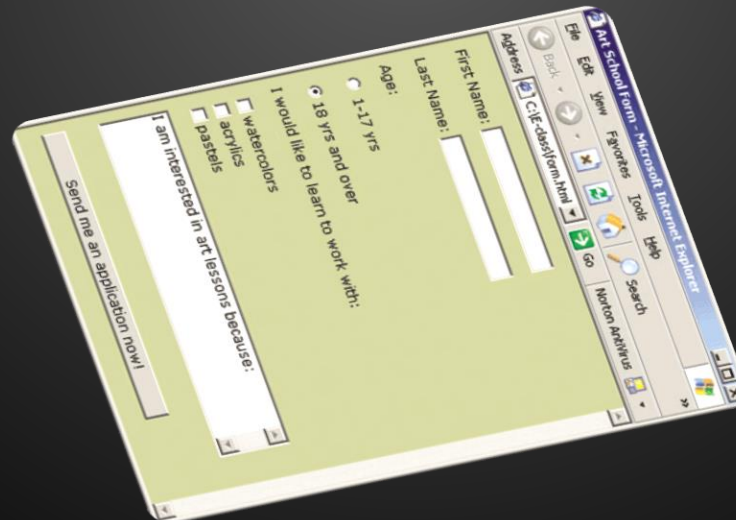Email id :

Mobile Number :

SUBMIT   RESET

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◆ **Forms are the primary method for gathering data from site visitors**

◆ **Create a form block with**

```
<form></form>
```

◆ **Example:**

```
<form name="myForm">
   ...
</form>
```

- **Single-line text input fields:**

```
<input type="text" name="FirstName" value="This
is a text field" />
```

- **Multi-line textarea fields:**

```
<textarea name="Comments">This is a multi-line
text field</textarea>
```

- **Hidden fields contain data not shown to the user:**

```
<input type="hidden" name="Account" value="This
is a hidden text field" />
```

- **Often used by JavaScript code**

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◆ **Fieldsets are used to enclose a group of related form fields:**

```
<form name="form1">
    <fieldset>
        <legend>Client Details</legend>
        <input type="text" name="fname">
        <input type="text" name="lname">
    </fieldset>
    <fieldset>
        <legend>Order Details</legend>
        <input type="text">
        <textarea cols="40" rows="10"></textarea>
    </fieldset>
</form>
```

◆ **The <legend> is the fieldset's title.**

Form Input Controls

- Checkboxes:

```
<input type="checkbox" name="fruit"
value="apple" />
```

- Radio buttons:

```
<input type="radio" name="title" value="Mr." />
```

- Radio buttons can be grouped, allowing only one to be selected from a group:

```
<input type="radio" name="city" value="Lom" />
<input type="radio" name="city" value="Ruse" />
```

Form Input Controls

- **Colors:**

```
<input type="color" name="favcolor">
```

- **Numbers:**

```
<input type="number" name="givenb" min="10" max="100">
```

- **Date:**

```
<input type="date" name="trip-start" value="2018-07-22" min="2018-01-01" max="2018-12-31">
```

◆ **Dropdown menus:**

```
<select name="gender">
   <option value="Value 1"
     selected="selected">Male</option>
   <option value="Value 2">Female</option>
   <option value="Value 3">Other</option>
</select>
```

◆ **Submit button:**

```
<input type="submit" name="submitBtn"
value="Apply Now" />
```

Other Form Controls (2)

- **Reset button** – brings the form to its initial state

```
<input type="reset" name="resetBtn"
value="Reset the form" />
```

- **Ordinary button** – used for JavaScript, no default action

```
<input type="button" value="click me" />
```

◆ **Password input – a text field which masks the entered text with * signs**

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

◆ **Multiple select field – displays the list of items in multiple lines, instead of one**

```
<select name="products" multiple="multiple">
  <option value="Value 1"
    selected="selected">keyboard</option>
  <option value="Value 2">mouse</option>
  <option value="Value 3">speakers</option>
</select>
```

- **File input – a field used for uploading files**

```
<input type="file" name="photo" />
```

- **Form labels are used to associate an explanatory text to a form field using the field's ID.**

```
<label>First Name</label>
<input type="text"/>
```

form.html

```html
<form name="apply">
  <input name="subject" type="hidden" value="Class" />
  <fieldset><legend>Academic information</legend>
    <label>Degree</label>
    <select name="degree">
      <option value="BA">Bachelor of Art</option>
      <option value="BS">Bachelor of Science</option>
      <option value="MBA" selected="selected">Master of
        Business Administration</option>
    </select>
    <br />
    <label>Student ID</label>
    <input type="password" name="studentid" />
  </fieldset>
  <fieldset><legend>Personal Details</legend>
    <label>First Name</label>
    <input type="text" name="fname"/>
    <br />
    <label>Last Name</label>
    <input type="text" name="lname" />
```

form.html (continued)

```
    <br />
    Gender:
    <input name="gender" type="radio" value="m" />
    <label>Male</label>
    <input name="gender" type="radio" value="f" />
    <label>Female</label>
  <br />
    <label>Email</label>
    <input type="text" name="email" />
 </fieldset>
  <p>
    <textarea name="terms" cols="30" rows="4"
      readonly="readonly">TERMS AND CONDITIONS...</textarea>
  </p>
  <p>
    <input type="submit" name="submit" value="Send Form" />
    <input type="reset" value="Clear Form" />
  </p>
</form>
```
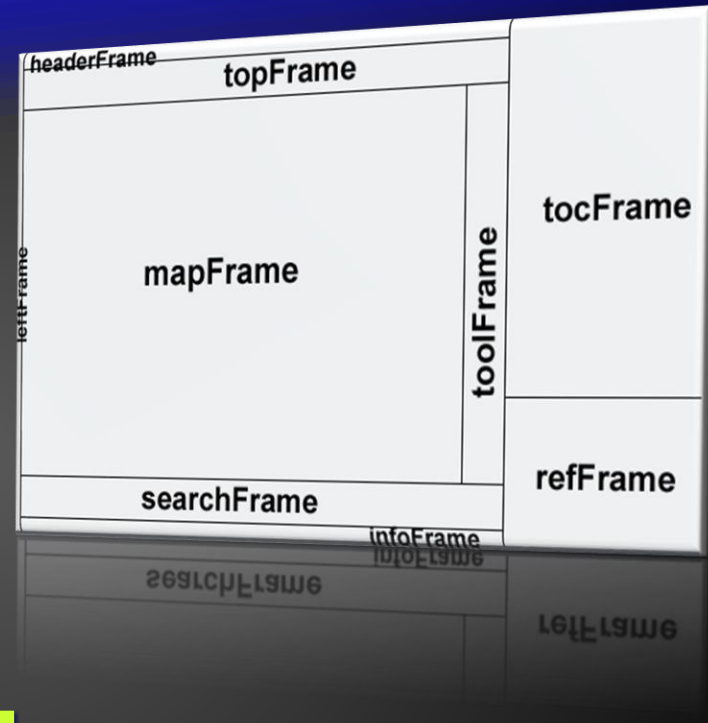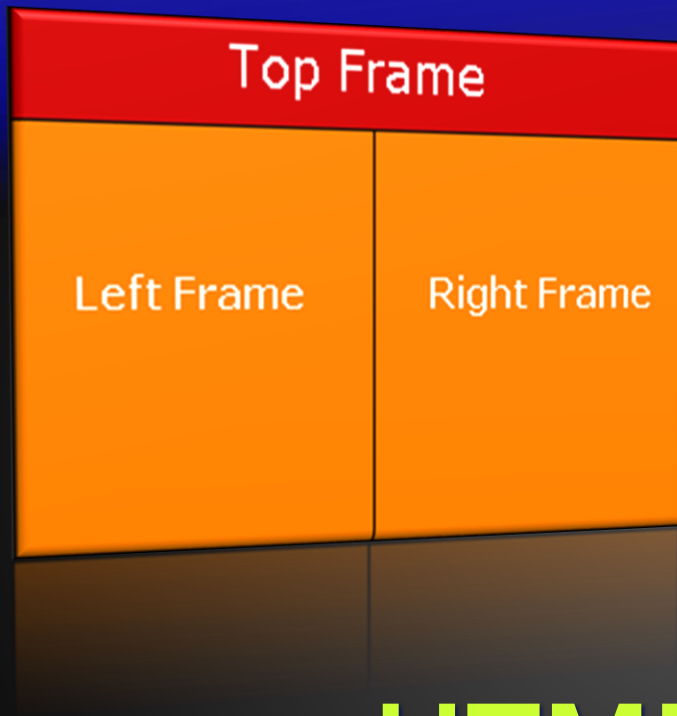
form.html (continued)

HTML Frames

`<frameset>`, `<frame>` and `<iframe>`

- Frames provide a way to show multiple HTML documents in a single Web page

- The page can be split into separate views (frames)

- Frames are not supported by all browsers

frames.html

```
<html>

  <head><title>Frames Example</title></head>

  <frameset cols="180px,*,150px">
    <frame src="left.html" />
    <frame src="middle.html" />
    <frame src="right.html" />
  </frameset>

</html>
```

- **Note the target attribute applied to the <a> elements in the left frame.**