

**Objective:**

Build a website that conforms to HTML5 standards and has the following elements: doctype, html, title, body, head, div, p, headings, image, anchor, table, audio, video, embed, iframe, form, input, select, progress, fieldset, label, html comment etc..

**Description:****HTML Form Elements**

All forms start with the <FORM> tag and end with </FORM>. All other form objects go between these two tags.

The form tag has two main properties: METHOD and ACTION.

```
<form action="/action_page.php" method="get"> </form>
```

The <form> element can contain one or more of the following form elements:

- <input>
- <textarea>
- <button>
- <select>
- <option>
- <fieldset>
- <label>

The <input> tag specifies an input field where the user can enter data. <input> elements are used within a <form> element to declare input controls that allow users to input data. An input field can vary in many ways, depending on the type attribute.

```
<form action="/action_page.php" method="get">
```

```
  First name: <input type="text" name="fname"><br>
```

```
  Last name: <input type="text" name="lname"><br>
```

```
  <input type="submit" value="Submit">
```

```
</form>
```

**Input Types:**

Here are the different input types you can use in HTML:

```
<input type="button">
```

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

```
<input type="date">
<input type="datetime-local">
<input type="email">
<input type="file">
<input type="hidden">
<input type="image">
<input type="month">
<input type="number">
<input type="password">
<input type="radio">
<input type="range">
<input type="reset">
<input type="search">
<input type="submit">
<input type="tel">
<input type="text">
<input type="time">
<input type="url">
<input type="week">
```

The `<textarea>` tag defines a multi-line text input control. A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier). The size of a text area can be specified by the `cols` and `rows` attributes, or even better; through CSS' `height` and `width` properties.

```
<textarea rows="4" cols="50">
</textarea>
```

The `<select>` element is used to create a drop-down list. The `<option>` tags inside the `<select>` element define the available options in the list.

```
<select>
  <option value="volvo">Volvo</option>
  <option value="saab">Saab</option>
  <option value="mercedes">Mercedes</option>
  <option value="audi">Audi</option>
</select>
```

The <fieldset> tag is used to group related elements in a form. The <fieldset> tag draws a box around the related elements.

```
<form>
  <fieldset>
    <legend>Personalia:</legend>
    Name: <input type="text"><br>
    Email: <input type="text"><br>
    Date of birth: <input type="text">
  </fieldset>
</form>
```

### **Media Elements:**

The following are the most popular media elements.

- **audio**

- Audio element is used for defining or creating a music element in your simple HTML page.

```
<audio controls>
<source src = "1.mp3" type = "audio/mpeg" >
</audio>
```

- **video:** The Video element creates a video element in your HTML page.


```
<video controls>
  <source src = "1.mp4" type = "video/mp4" >
</video>
```

- **embed**

- It is also called a container because as the name suggests it is used for defining containers for the external applications or we can say plug-ins for the applications.

```
<embed src="1.swf">
```

## Sample web page design:



### Ms. Mariah Caraiban

[Academics](#)
[Achievements](#)
[Friends](#)


Photoshop:

Java:

C++:

PHP:

Javascript:



#### Personal Information

User name:

Password:

Reg. No:

Age:

Gender:

☐ Male ☐ Female

DOB:

Favorite Color:

Change Profile Photo:  No file chosen

#### Contact Information

Address:

State:

Zipcode:

Mobile:

Email:

URL:

☐ I verified


Ex No:2

#### Working with HTML5 Forms and Media Elements

Build a web site that conforms to HTML5 standards and has the following elements: design, fixed title, body, fixed div, p, knowledge design, anchor, table, audio, video, embed, canvas, form, input, select, progress, dialog, label, text, content.

**Guidelines for developing the project:**

- The page has three sections such as header, Content section and footer.
- Header should be at the top of the page. It contains your photo and your name and aligns the content at the center using the style "text-align: center". Below the title include the navigation links and search box as shown in the design screen.
- Content section has three rows and two columns.



Your address

© 2020-2021. (Register number) - Web Technology Lab Batch 1. All Rights Reserved.