

Introduction to Web Technology

Course Code: **CSC 3222**

Course Title: WEB TECHNOLOGIES



Dept. of Computer Science
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Lab No:	1	Week No:	1	Semester:	
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Lecture Outline



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- 3. HTML Attributes**
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Learning Objectives



- In this Lab, we will learn about HTML document, HTML Tags, Elements and Attributes.
- To write html, we need a text editor; e.g. sublime text or Vscode or any editor and web browser.
- Design and develop HTML document; e.g. html page, html form, etc.

HTML Tags and Elements



- An HTML element usually consists of a **start** tag and an **end** tag, with the content inserted in between.

Start tag	Element content	End tag
<h1>	My First Heading	</h1>
<p>	My first paragraph.	</p>

HTML Attributes



- All HTML elements can have attributes
- Attributes provide additional information about an element
- Attributes are always specified in the start tag
- Attributes usually come in name/value pairs like: name="value"
- Example : HTML links are defined with the <a> tag. The link address is specified in the href attribute.

```
<a href="https://www.aiub.edu">AIUB</a>
```

```

```

- Please explore all Elements/ Tags/ attributes from <https://www.w3schools.com/> one by one.

HTML Forms



- The HTML `<form>` element defines a form that is used to collect user input.

`<form>`

form elements

`</form>`

- Form elements are different types of input elements, like: text fields, checkboxes, radio buttons, submit buttons, and more.

Type	Description
<code><input type="text"></code>	Defines a single-line text input field
<code><input type="radio"></code>	Defines a radio button (for selecting one of many choices)
<code><input type="submit"></code>	Defines a submit button (for submitting the form)

HTML Forms Example

```
<form>
  <label for="fname">First name:</label><br>
  <input type="text" id="fname" name="fname"><br>
  <label for="lname">Last name:</label><br>
  <input type="text" id="lname" name="lname">
</form>
```

HTML form

First name:

Last name:

E-mail:

☐ Male
☐ Female



HTML Form Elements

- The <input> Element
`<input type="text" id="firstname" name="firstname">`
- The <textarea> Element
`<textarea name="message" rows="10" cols="30">`
The cat was playing in the garden.
`</textarea>`
- See more input type
https://www.w3schools.com/html/html_form_input_types.asp



HTML Input Types

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

`<input type="button">`

`<input type="checkbox">`

`<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">`

- See more input type

https://www.w3schools.com/html/html_form_input_types.asp



Your Task

- Write necessary HTML script to achieve the below-given layout of a “Registration Page”.
- Design a static personal web site including all your information.



Books

- W3Schools Online Web Tutorials; URL: <http://www.w3schools.com>
- PHP Documentation; URL: <http://www.php.net/docs.php>
- Sams Teach Yourself Ajax JavaScript and PHP All in One; Phil Ballard and Michael Moncur; Sams Publishing; 2010
- JavaScript Phrasebook; Christian Wenz; Sams Publishing; 2007
- PHP and MySQL Web Development, 4/E; Luke Welling and Laura Thomson; Addison-Wesley Professional; 2009
- JavaScript for Programmers Paul J. Deitel and Harvey M. Deitel; Prentice Hall; 2009
- Beginning PHP5, Apache, and MySQL Web Development; Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz and Michael K. Glass; Wiley Publishing; 2005
- XML in a Nutshell, 3/E; Elliotte Rusty Harold and W. Scott Means; O'Reilly Media; 2004



References

1. https://www.ntu.edu.sg/home/ehchua/programming/webprogramming/HTTP_Basics.html
2. <https://developer.mozilla.org/enUS/docs/Web/HTTP/Status>
3. https://www.w3schools.com/html/html_intro.asp
4. https://www.w3schools.com/html/html_xhtml.asp