

Web Development Course

Overview:

Frontend Development

- HTML
- CSS
- JavaScript
- JQuery

Backend Development

- PHP and Mysql
- SQL (Structured Query Language)
- Wordpress

HTML Introduction

How www (world wide web) works ?

- What is www?
- What's the difference between the web and the net?
- What's the difference between http and html?
- What is a url?

How to create web development environment for coding in computer. Be able to start coding in HTML.

Download Editor

Notepad++

Download link: <http://notepad-plus-plus.org/download/>

Sublim text

Download link: <http://www.sublimetext.com/2>

Brackets

Download link: <http://brackets.io/>

Set Up FIREBUG

History Of HTML

Tim Berners-Lee invents the Web with HTML as its publishing language

Version	Year
HTML	1991
HTML 2.0	1995
HTML 3.2	1997
HTML 4.01	1999
XHTML	2000
HTML5	2014

Real Life Example of Web Development

Building a wood framed house:

Frontend Development



Essential Components

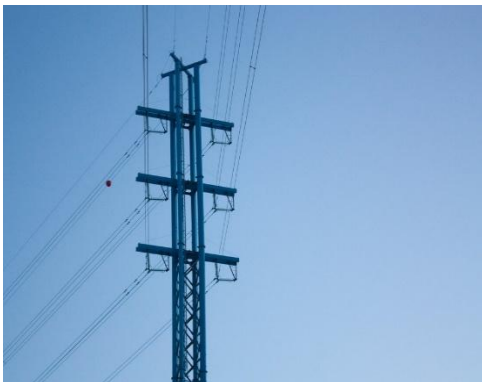


House Structure(HTML)



Completed House(HTML&CSS)

Backend Functionality



Electricity Facility



Water Facility



Cooking Facility

HTML Tags, Elements and their Usage

Mentor Suggested Editors

- Brackets

Download link: <http://brackets.io/>

Construct the web structure using basic tags and elements in html

```
<!DOCTYPE HTML>
<html>

<head>
  <title>Your Website</title>
</head>

<body>

  <!-- Full Web page Structure coding start from here -->

</body>

</html>
```

What is the meaning of `<!DOCTYPE HTML>` tag?

What is the meaning of `<html> ... </html>` tag?

What is the meaning of `<head> ... </head>` tag?

What is the meaning of `<title> ... </title>` tag?

What is the meaning of `<body> ... </body>` tag?

What is the meaning of `<!-- Comments -->` tag?

HTML Tags, Elements and their Usage (cont..)

Attributes

- HTML elements can have **attributes**
- Attributes provide **additional information** about an element
- Attributes are always specified in **the start tag**

Example:

```
<html lang="en-US"> ... </html>
```

Headings

```
<h1>This is heading 1</h1>
```

```
<h2>This is heading 2</h2>
```

```
<h3>This is heading 3</h3>
```

```
<h4>This is heading 4</h4>
```

```
<h5>This is heading 5</h5>
```

```
<h6>This is heading 6</h6>
```

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

Paragraphs

The HTML `<p>` element defines a **paragraph**.

Example:

```
<p title="paragraph">This is a paragraph</p>
```

HTML Tags, Elements and their Usage (cont..)

Styles

Style is an attribute of html tag.

Syntax:

`style="property:value"`

Example:

```
<body style="background-color:lightgrey">  
  <h1 style="color:blue">This is a heading</h1>  
  <p style="color:red">This is a paragraph.</p>  
</body>
```

HTML Tags, Elements and their Usage (cont..)

Formatting

- Bold text : The HTML `` element defines **bold** text.
- Important text : The HTML `` element defines **strong** text, with added semantic "strong" importance.
- Italic text : The HTML `<i>` element defines *italic* text, without any extra importance.
- Emphasized text : The HTML `` element defines *emphasized* text, with added semantic importance.
- Small text : The HTML `<small>` element defines **small** text.
- Deleted text : The HTML `` element defines **deleted** (removed) of text.
- Inserted text : The HTML `<ins>` element defines **inserted** (added) text.
- Subscripts : The HTML `<sub>` element defines **subscripted** text.
- Superscripts : The HTML `<sup>` element defines **superscripted** text.

Practice!!!!

Quotations

The HTML `<q> ... </q>` element defines a **short quotation**.

Practice!!!!