

1. Introduction to HTML

▼ Join Discord Server (Mandatory Step for All before Nov, 5th)

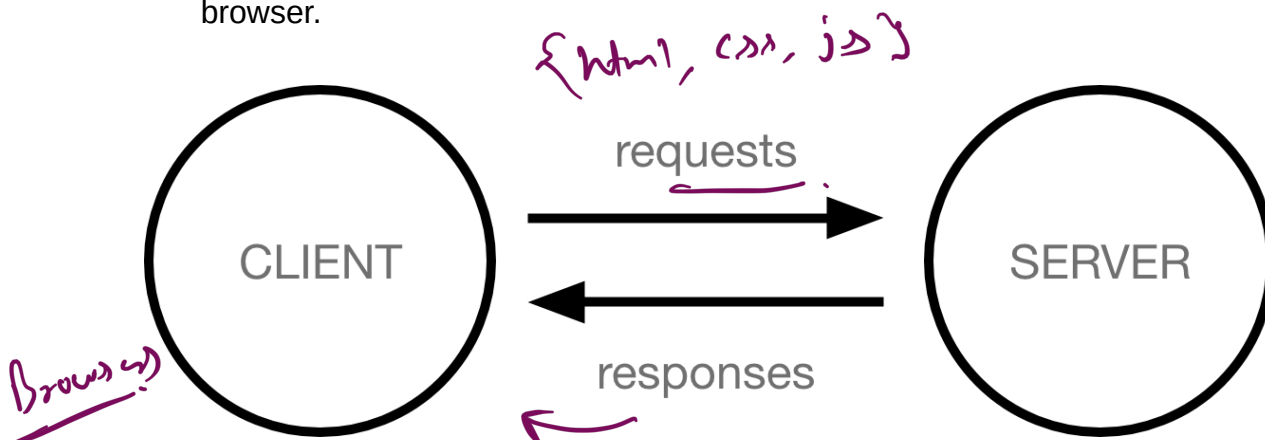
- Step 1: Join using This Link <https://discord.gg/dsUaFkg4>
- Step 2: Fill out this form to gain access to additional private channels related to our course.: <https://forms.gle/qpPuT6XtYtTaYMdo6>

▼ Install Visual Studio Code

- Download and Install using this link: <https://code.visualstudio.com/download>
- Install Live Server extension
VS Marketplace Link: <https://marketplace.visualstudio.com/items?itemName=ritwickdey.LiveServer>

▼ The Anatomy of HTML

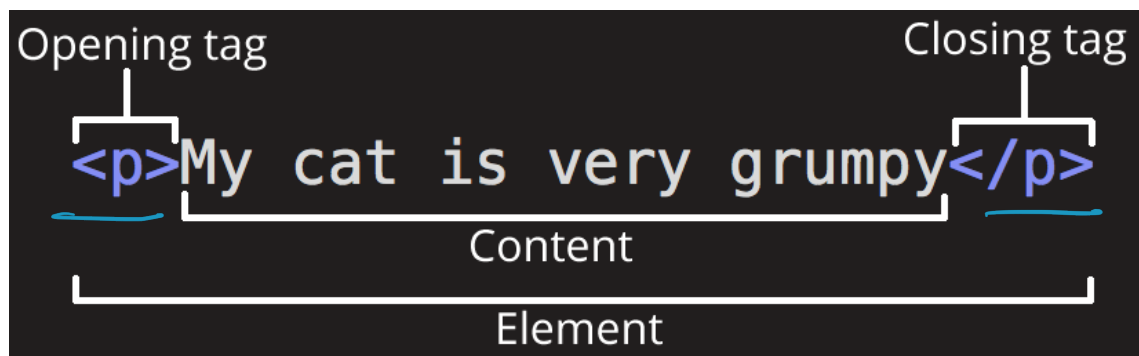
- How do the websites actually work?
 - Clients are the typical web user's internet-connected devices (for example, your computer connected to your Wi-Fi, or your phone connected to your mobile network) and web-accessing software available on those devices (usually a web browser like Firefox or Chrome).
 - Servers are computers that store webpages, sites, or apps. When a client device wants to access a webpage, a copy of the webpage is downloaded from the server onto the client machine to be displayed in the user's web browser.



- HTML Tags

The main parts of our element are as follows:

1. **The opening tag** consists of the name of the element (in this case, `p`), wrapped in opening and closing **angle brackets**. This states where the element begins or starts to take effect — in this case where the paragraph begins.
2. **The closing tag**: This is the same as the opening tag, except that it includes a *forward slash* before the element name. This states where the element ends — in this case where the paragraph ends. Failing to add a closing tag is one of the standard beginner errors and can lead to strange results.
- ✓ 3. **The content**: This is the element's content, which in this case, is just text.
4. **The element**: The opening tag, the closing tag, and the content together comprise the element.



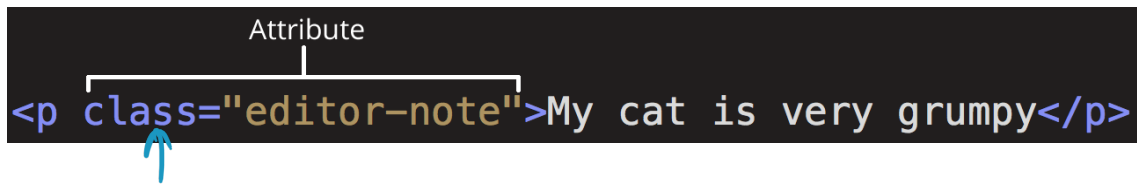
- Attributes

Attributes contain extra information about the element that won't appear in the content. In this example, the `class` attribute is an identifying name used to target the element with style information.

An attribute should have:

- A space between it and the element name. (For an element with more than one attribute, the attributes should be separated by spaces too.)

- The attribute name, is followed by an equal sign.
- An attribute value, wrapped with opening and closing quote marks.



```
<p class="editor-note">My cat is very grumpy</p>
```

- Some Elements are called empty elements because they do not need any empty tag

`img, br, hr, a` tags are a few example of empty elements

▼ HTML Texts

- Headings & Paragraphs

We have 6 headings namely `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>` and `<h6>`

And one paragraph tag `<p>`

- Text Formatting

Formatting elements were designed to display special types of text:

- `` - Bold text
- `` - Important text
- `<i>` - Italic text
- `` - Emphasized text
- `<mark>` - Marked text
- `<small>` - Smaller text
- `` - Deleted text
- `<ins>` - Inserted text
- `<sub>` - Subscript text
- `<sup>` - Superscript text

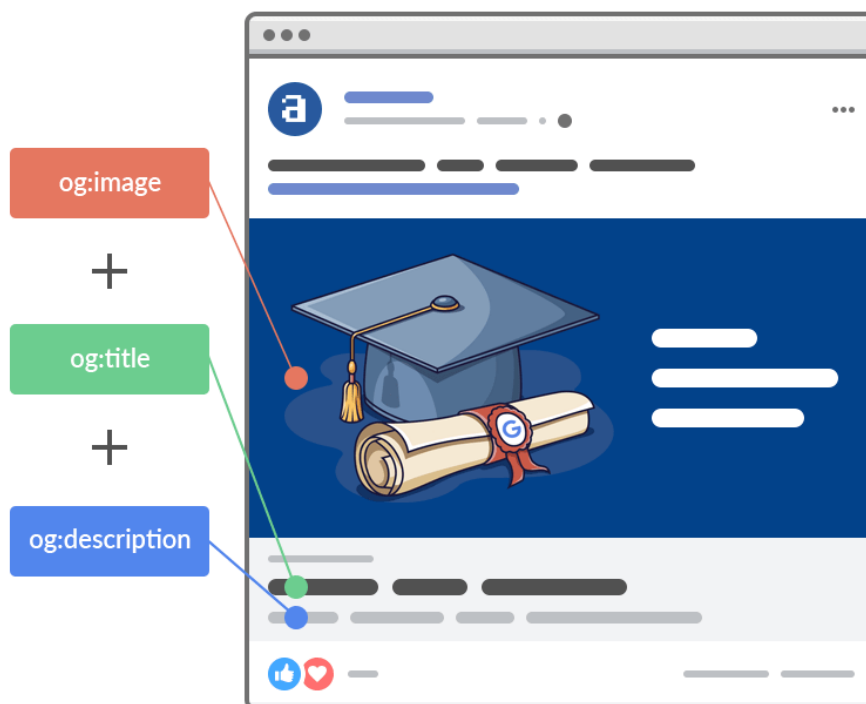
▼ The `<head>` Element

- HTML Title, Script & Links

- The title tag gives the Title of the web page
- The script tag is used to run web scripts on your web page
- We use the link tags to link other files on our website.
- The meta tag
 - Many `<meta>` elements include `name` and `content` attributes:
 - `name` specifies the type of meta element it is; what type of information it contains.
 - `content` specifies the actual meta content.

The open graph metadata is a metadata protocol that Facebook invented to provide richer metadata for websites.

Post on Facebook with OG Tags



Source: <https://ahrefs.com/blog/open-graph-meta-tags/>

ahrefs

Find more meta tags here on the source page of <https://www.w3schools.com/>

▼ Assignments

1. Use the HTML headings and Formatting to build a food menu like the image below. No need to color or use fancy fonts.



TEA, COFFEE & MORE	
KADAK CHAI KI PYALI HO Homemade Kadak Chai	85
TEAS Green Organic Assam Leaf	115
ESPRESSO A Strong Black Coffee Shot – Milk Optional	125
AFFOGATO Strong Shot Of Espresso + Vanilla Ice-Cream	125
CAFÉ MOCHA Chocolate Syrup + Espresso + Steamed Milk + Coco	125
CAPPUCCINO Frothy Coffee with Milk + Dash of Chocolate	140
CAFÉ LATTE Espresso Shot + Steamed Milk + Froth	140
CAFÉ AMERICANO American Drip Coffee – Italian style! Served Black + Milk on Side	140
HOT CHOCOLATE Creamy Milk + Silken Chocolate	150
ICED CAPPUCCINO Frothy Coffee + Chilled Milk + Dash of Chocolate	140
ICED MOCHACINO Espresso + Chocolate + Cold Milk + Whipped Cream	140
DOUBLE ESPRESSO Two Shot of Espresso + Fun	150
MILK SHAKES Dreamy Creamy Milk Shakes Dark Chocolate Paan Banana Vanilla	185

2. Further readings:

- a. Go to w3schools and read about HTML topics from w3schools:
<https://www.w3schools.com/html/>