**HTML**

#BB43BE

**Document Structure and Metadata**

<!DOCTYPE html>: Declaration of the HTML document type.

<html lang="en">: The main tag that wraps all HTML content. </html>

<head></head>: Contains metadata and links to external resources. </head>

<meta charset="UTF-8">: Specifies the character encoding of the document.

<meta name="viewport" content="width=device-width, initial-scale=1.0">: Set the initial view and scale of a

<meta name="author" content="Dave Gray">: Adds the author's.

<meta name="description" content="The official website for The Little Taco Shop">: Adds a description of the document.

<link rel=”stylesheet” href=”css/main.css”>: Link to load the CSS styles file.

<link rel="icon" href="html5.png" type="image/x-icon">: Link to load the .ico image.

<title> Defines the title of the document displayed in the browser tab. </title>

<style></style>: CSS styles inside this tag.

**Document Body**

<body>: Contains the visible content of the document, such as text, images, and other elements. </body>

**Structural Elements**

<header>: Document header, often containing elements like logos or main titles. </header>

<main>: Contains the main content of the document </main>

<footer>: Document footer, often including contact information or useful links. </footer>

<article>: Contains individual pieces of content. </article>

<section>: Groups related content together (inside the <article>). </section>

<aside>: Contains sidebar´s content, or contains other less important information than the article. </aside>

<details>: add an information with a kind of dropdown button</details>

<summary>: when you click on the detail’s dropdown button, it will show the <summary> text. </summary>

<time datetime=”08:00”> 8 am </time>

<time datetime=”PT3H”> 3 hours </time>

**Text Elements**

<p>: Paragraph of text. </p>

<pre>: Preserves exact spaces and line breaks in text. </pre>

<mark>: Highlights a piece of text. </mark>

<sub>: Renders subscript text. </sub>

<del>: Strikes through text (cross out). </del>

<q>: Inline quotation. </q>

<h1>: Level 1 header, used for important titles (from h1 to h6). </h1>

<cite>: Provide a textual indication that the text within it is a reference to a cited source. </cite>

**Visual Elements**

<hr>: Horizontal rule for content separation.

<class="">: Attribute to assign CSS classes. </class>

<style="">: Attribute to assign inline CSS styles. </style>

<a id="example-link">: Attribute to assign CSS id's. </a>

<br>: Simple line break.

<em>: Emphasizes text. </em>

<strong>: Makes text more prominent. </strong>

<!-- Invisible comment-->: Invisible comment in the source code.

<abbr>: Abbreviation with an explanation title. </abbr>

<code>: print the HTML code without a function. </code>

**Links and Navigation**

<a>: Anchor tag for creating hyperlinks. </a>

href="": Attribute defining the target URL.

title="": Add a title to the image.

target=”\_blank”: To open the link in a new window.

<nav>: Defines the navigation menu. </nav>

<a href="default.html"><img src="smiley.gif"></a>: Make the image become a link.

<a href="">Back to Top</a>: Back to Top Button.

<cite><a href=”www.google.com”>Google</a></cite>: Outside website.

<a href="#Home">About LTS</a>

<section id=”Home”><h1>Home</h1></section>: Click to go to a specific section of the web.

**Container**

<div></div>: Used to group and organize other elements on a webpage.

<div id=”container”></div>: Assign an ID to set some styles in CSS.

<div class=”footer”></div>: Can also uses for classes.

**Lists and Descriptions**

<ol> </ol>: Ordered list.

<ol start="3" reversed> </ol>:

start=””: order list starts from 3.

reversed: reverse the order of the list.

type=”A”: replace uppercase ABC instead of numbers.

type=”I”: replace uppercase Roman Numbers instead of numbers.

<ul> </ul>: Unordered list and list items.

<li> </li>: List items.

<li value=”5”> </li>: set a value for alpha’s order list.

<dl> </dl>: Description list.

<dt> </dt>: Definition term.

<dd> </dd>: Definition description.

Order example:

<ol>

<li> </li>

</ol>

or

<ul>

<li> </li>

</ul>

or

<dl>

<dt>

<dd> </dd>

</dt>

</dl>

**Images**

<img src="" alt="">: Embeds an image in the document.

src="": Specifies the URL source of the image.

alt="": Provides alternative text for the image, useful for accessibility. </img>

title="": Adds a title for the image, often displayed as a tooltip.

width="": Sets the width of the image in pixels or other units.

height="": Sets the height of the image in pixels or other units.

loading="": Controls when the image should be loaded:

loading="lazy": Delays loading until the image is about to be visible.

loading="eager": Loads the image immediately (Value by default).

<figure> </figure>: Indents an image and a caption.

<figcaption> </figcaption>: add caption of an image. (Img and figcaption inside <figure>).

srcset="": Specifies multiple sources for the image based on different sizes or resolutions.

sizes="": Suggests the sizes of the image for different viewport widths (used with srcset).

<a href="default.html"><img src="smiley.gif"></a>: Make the image become a link.

**Tables**

<table>: Defines a table. </table>

<caption>: Table Title</caption>

<thead>: Table Header </thead>

<tbody>: Table Body </tbody>

<tfoot>: Table Body </tfoot>

<th>: Table Header Cell. </th>

<tr>: Table Row. </tr>

<td>: Table Data Cell. </td>

<td colspan=”2”>: Indicates that the td or th cell should span two columns. </td>

<td rowspan=”2”>: Indicates thar the td or th cell should span two rows. </td>

<th scope=”col”>: Indicates that the tables header describes the contents of a column in the table. </td>

<th scope=”row”>: Used for tables header cells that describe columns in a table. </td>

Order example:

<table>

<caption> </caption>

<thead>

<tr>

<th> </th>

<td> </td>

</tr>

</thead>

<tbody>

<tr>

<th> </th>

<td> </td>

</tr>

</tbody>

<tfoot>

<tr>

<th> </th>

<td> </td>

</tr>

</tfoot>

</table>

**Forms and Inputs**

<form> action=” <https://httpbin.org/get>” method=”get/post” </form>: Defines a form.

<fieldset> </fieldset>: surrounds the entire content of the Form.

<legend> </legend>: Is a kind of header for the Form.

action=”https://httpbin.org/get”: Specify the URL.

method=”get/post”: Choose method.

<label for=”firstName”>First name: </label>: Description label for an input field.

for=”firstName”: Binds the tag to an input element in a form, based on the element's id, making user interaction easier.

<input type="text" name="firstName" id="firstName”>: Input field.

type=”text”: Text input field.

type=”password”: Password input field.

type=”number”: Number input field.

type=”tel”: Telephone input field.

type=”radio”: Circle options, you can choose only one.

type=”checkbox”: Checkbox options, is multiselecting.

name=”firstName”: Name input field.

id=” firstName”: ID input field.

placeholder=”Search”: Text inside the input.

autocomplete=”on/off”: Autocomplete

min=”1920”: Min value.

max=”2020”: Max value.

step=”10”: Jump the value from 10 to 10.

value=”1980”: Default value.

pattern="[0-9]{3}[0-9]{3}[0-9]{4}": Patter 3 numbers from 0 to 9, repeat, and the same but with 4 numbers.

required: Requires the text information in an Input Field.

autofocus: The input is automatically focused when the page loads.

<select name=”coffee” id=”coffee” multiple> </select>: Creates a drop-down menu and visualize the options.

multiple: You can select multiple options.

<optgroup label=”Coffees”> </optgroup>: Option’s groups.

<option value=”americano” selected>Americano</option>: Options of the drop-down menu.

selected: if you add selected in one option, it will be de default option.

Order example:

<form>

<fieldset>

<legend> </legend>

<p>

<label>

<select>

<optgroup>

<option> </option>

<option> </option>

</optgroup>

</select>

</p>

</fieldset>

</form>

or

<datalist id=”coffee-list”> </datalist>: list of suggestions or options for the user to choose from.

Order example:

<form>

<fieldset>

<legend> </legend>

<p>

<label>

<input>

<datalist>

<option> </option>

<option> </option>

</datalist>

</p>

</fieldset>

</form>

<textarea> </textarea>: Allows to write a long text.

<label for="message">Your message:</label>

<textarea name="message" id="message" cols="30" rows="10" placeholder="Type here" > </textarea>

Bottoms:

<button type=”submit”>Send</button>: Interactive button.

<button type=”reset”>Reset</button>: Reset button.

<button type="submit" formaction="https://httpbin.org/post" formmethod="post">Post</button>: Send the information through post method instead of get.

<button type=”submit”>Send</button>: Interactive button.

type=”submit”: send the form input information.

type=”reset”: reset the form input information.

**Special Characters**

&nbsp; : Non-breaking space.

&lt; : Less than symbol (<).

&gt; : Greater than symbol (>).

&copy; : Copyright symbol.

**Useful Keyboard & Shortcuts**

!+Enter: Create an HTML document.

Ctrl+U: View the HTML code in a web site.

Ctrl+B: Hide the VS Code Explorator.

Ctrl+Shift+I or Windows+F12: Element inspection in a web site.

Ctrl+S: Save changes in VS Code.

Alt+Shift+downArrow: Copy and paste selected code.

Ctrl+D: Select already highlighted code lines.

Shift+Alt+A: Comment the selected code.

Ctrl+Shift+M: Open Inspection to check the medias querys.

Ctrl+Mayús+Ñ: Open new terminal (Only VS Code)

p\*5<lorem20: Create five paragraphs with Lorem Ipse Text.