

Assignment-2

Title: Restaurant website project

Problem Statement: Implement a web page index.html for any client website using following:

- a. HTML syntax: heading tags, basic tags and attributes, frames, tables, images, lists, links for text and images, forms etc
- b. Use of Internal CSS, Inline CSS, External CSS

Objectives:

- 1) To understand different HTML tags & its functionalities
- 2) To understand CSS

Outcomes:

- 1) Able to make a basic website using HTML and CSS

Theory:

- HTML stands for "Hypertext Markup Language".
- It is a standard markup language for creating web pages.
- It describes the structure of a web page.
- HTML elements tell the browser how to display the content.


```
<!DOCTYPE html>
<html>
<head>
<title> Page Title </title>
</head>
<body>

<h1> First heading </h1>
<p> My first Para </p>

</body>
</html>
```

- The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document.
- The `<html>` element is the root element of an HTML page.
- The `<head>` contains the meta information about the HTML page.
- The `<title>` element specifies a title for the HTML page.
- The `<body>` element defines the document's body, and is a container for all the visible contents.
- The `<h1>` element defines a large heading.
- The `<p>` element defines a paragraph.

`<h1>`, `<p>`
`
` doesn't have end tag
`
` is used to break line

HTML headings

<h1> to <h6>

<h1> biggest

<h6> smallest

HTML links

This is a link

'href' is a attribute used to provide additional information about HTML elements.

- * target = "_blank" → opens that URL in new window
- * target = "_self" → opens that URL in same window

- HTML is not case-sensitive

<p> and <P> is same

HTML attributes

- 1) width and height attribute

- 2) alt attribute

alt provides alternate text for an image.

- 3) style attribute

used to add styles to an element. such as color, font, size and more.

- 4) lang attribute
It specifies language of the web page.

HTML Styles

ex-

```
<body style = "background-color: powderblue;">  
<h1> heading </h1>  
<p> para </p>  
</body>
```

color, font-family, font-size, text-align

HTML formatting

 bold text
, <i>, , <sub>, <sup>

Images:

Tables:

Consists of rows and columns

<tr> table row

<th> table header

<td> defines a cell in a table

<thead> Groups header content in a table

<tbody> Groups body — 11 —

<tfoot> Groups footer — 11 —

HTML Lists

Unordered list:

```
<ul style="list-style-type: square;">
```

```
<li> Tea </li>
```

```
<li> Gffee </li>
```

```
<li> Water </li>
```

```
</ul>
```

■ Tea

■ Gffee

■ Water

Ordered list

```
<ul style="list-style-type: none;">
```

```
<li> Tea </li>
```

```
<li> Gffee </li>
```

```
<li> Water </li>
```

```
</ul>
```

i. Tea

ii. Coffee

iii. Water

Block and Inline elements

- A block-level element always starts on a new line
- It always takes up the full width available
- It has a top and a bottom margin

EX:

The <div> element is a block-level element

ex - `<div>`, ``, `<p>`, ``

Inline:

- does not start on a new line
- `` is inline

Ex:

``, `<a>`, ``

Forms:

A HTML form is used to collect user input

`<form>`

`</form>`

CSS (Cascading Style Sheets)

CSS describes how HTML elements should be displayed

`body {`

`background-color: lightblue;`

`}`

`h1 {`

`color: white;`

`text-align: center;`

`font-size: 40px;`

`}`

ID's and Classes:

Classes:

- class attribute is used to specify a class for an HTML element.
- Multiple HTML elements can share same class.

ID's:

- HTML id attribute is used to specify an unique id for HTML element
- You cannot have more than one element with the same id in HTML element.

Inline CSS

`<div style="color: red; font-size: 30px; display: flex;"`

`<h1 style="font-family: Arial; font-color:`

`<h1 style="color: blue; font-size: 30px;"`

Internal CSS

`<style>`

`h1{`

`padding-left: 2px;`

`position: relative;`

`}`

`h2{`

`padding-left: 2px;`

`position: relative;`

`}`

External CSS

```
<link rel = "stylesheet" href = "style.css" >
```

In style.css file

```
a  
{
```

```
}
```

```
• start  
{
```

```
}
```

```
# d  
{
```

```
}
```

• for classes

for id

Conclusion:

I created a website with some basic components of HTML & CSS.

Category	Item	Price
Starters	Tomato Soup	\$10
Starters	Sandwich	\$20
Main Course	Dal Fry	\$40
Main Course	Palak Paneer	\$250
Deserrt	Cappuccino	\$70
Deserrt	Latte	\$60

- Pizza
- Burger
- Fries
- PopCorn

- i. Sandwich
- ii. Peri Peri
- iii. Noodles
- iv. Pasta

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