**HTML**

**Folder Structure**

- ProjectFolder

- assetsFolder

- cssFolder

- imgFolder

- jsFolder

- phpFolder

- index.html

**Basic Template**

<!DOCTYPE html>

<html lang="en-US" >

<head>

<meta charset= "UTF-8" >

<meta name= "viewport" content= "width=device-width, initial-scale=1.0" >

<title> Page Title </title>

<link rel="icon" type="image/png" href="../04 img/00 global/favicon.png">

<link href='https://fonts.googleapis.com/css?family=Fira+Sans:700,400,500' rel='stylesheet' type='text/css' >

<link type = "text/css" rel= "stylesheet" href= css/main.css" >

</head>

<body>

<script src="main.js"></script>

</body>

</html>

<!-- Commenting Paragraphs -->

// Commenting Lines

**Paragraph <p>**

Line Break <br>

Horizontal Rule <hr>

Preformatted text <**pre>**

**Division <div>**

Span <span>

Images <img src=" " alt= "">

Links **<a href=** "" **>**

HTML ENTITIES

Description Entity Name Result

Non-breaking space &nbsp

Less than &lt <

Greter than &gt >

Ampersand &amp &

Copyright &copy ©

Registered trademark &reg ®

Trademark &trade ™

Tab &emsp or & ensp

Target Values

**DIVS**

**Class**

**ID**

data-anyname - html 5 data tag

- substitute for ids

- unique classifier other than id and can be be named anything

IMAGES

The GIF standard allows animated images

<img src="programming.gif">

LINKS

target="\_blank" - Opens the linked document in a new window or tab

target="\_self" - Opens the linked document in the same frame as it was clicked (this is default)

target="\_Parent" - Opens the linked document in the parent frame

target="\_top" - Opens the linked document in the full body of the window

target="framename" - Opens the linked document in a named frame

<a href="#" target="\_blank"> Link Text </a>

<a href="#" target="\_parent "> Link Text </a>

VIDEO

MP4 is the recommended format for videos

<video controls autoplay width= "100px" height= "100px" >

<source src="movie.mp4" type="video/mp4">

</video>

Placing a YouTube Video in HTML

Steps :

- Upload the video to YouTube

- Take a note of the video id

- Define an <iframe> element in your web page

- Let the src attribute point to the video URL

- Use the width and height attributes to specify the dimension of the player

- Add any other parameters to the URL

<iframe width="420" height="345" src="http://www.youtube.com/embed/XGSy3\_Czz8k">

</iframe>

AUDIO

MP3 is the recommended format for audio

<audio controls autoplay>

<source src="horse.ogg" type="audio/ogg">

</audio>

IFRAMES

<iframe src="website.html" name="iframe\_a"></iframe>  
<a href="google.com" target="iframe\_a">Google.com</a>

SVG

<svg width="100" height="100">

<circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow" />

</svg>

HTML FORMS

<form> - defines an HTML form

<input> - has many variations depending on the type attribute

**<textarea>** - defines a multi-line input field

**<fieldset>** - groups related data in a form.

**<legend>** - defines a caption for the <fieldset> element.

**<select>** - defines a **drop-down** list

**<datalist>** - specifies a list of pre-defined options for an <input> element

Input Type Attributes

text - normal text input

radio - lets a user select one option of a limited number of choices

submit - defines a submit button (for submitting the form)

password - for passwords

checkbox - lets a user select zero or more options of a limited number of choices

number- input fields that should contain a numeric value

autofocus - specifies that an <input> element should automatically get focus when the page loads

multiple - the user is allowed to enter more than one value in the <input> element

placeholder - specifies a hint that describes the expected value of an input field

value - default value for an input field, almost the same as placeholder

Input Restrictions :

disabled - an input field should be disabled

max - maximum value for an input field

maxlength - maximum number of character for an input field

min - minimum value for an input field

pattern - regular expression to check the input value against

readonly - an input field is read only (cannot be changed)

required - an input field is required (must be filled out)

Select Example

**<form action="action\_page.php">**

**<select name="cars">**

**<option value="volvo">Volvo</option>**

**<option value="saab">Saab</option>**

**<option value="fiat">Fiat</option>**

**<option value="audi">Audi</option>**

**</select>**

**<br><br>**

**<input type="submit">**

**</form>**

Textarea Example

**<form action="action\_page.php">**

**<textarea name="message" >**

**The cat was playing in the garden.**

**</textarea>**

**<br>**

**<input type="submit">**

**</form>**

Datalist Example

<form action="action\_page.php">

<input list="browsers" name="browser">

<datalist id="browsers">

<option value="Internet Explorer">

<option value="Firefox">

<option value="Chrome">

<option value="Opera">

<option value="Safari">

</datalist>

<input type="submit">

</form>

Legend and Fieldset Example

<form action="action\_page.php" target="\_blank" **method="**post**"**>  
  <fieldset>  
     <legend>Personal information:</legend>  
 First name:<br>  
  <input type="text" name="firstname" value="Mickey"><br>  
    Last name:<br>  
     <input type="text" name="lastname" value="Mouse"><br><br>  
     <input type="submit" value="Submit">  
 </fieldset>  
 </form>

<form action="action\_page.php" target="\_blank" **method="**post**"**>  
 <input type="radio" name="gender" value="male" checked> Male<br>  
 <input type="radio" name="gender" value="female"> Female<br>  
 <input type="radio" name="gender" value="other"> Other

<input type="submit" value="Submit">  
 </form>

To be submitted correctly, each input field must have a name attribute. A field will not be submitted if the input element does not have a name attribute

HTML TIPS

CREATING A BOOKMARK USING HTML LINKS

HTML bookmarks are used to allow readers to jump to specific parts of a Web page.

Steps :

First, create a bookmark with the id attribute:

<div id="tips">Useful Tips Section</div>

Then, add a link to the bookmark from within the same page:

<a href="#tips">Visit the Useful Tips Section</a>

Or, add a link to the bookmark from another page:

<a href="html\_tips.html#tips">Visit the Useful Tips Section</a>