

ASSIGNMENT 1

Aim

Design the front pages of a website using HTML and CSS properties.

Hardware Requirements

The hardware requirements for designing a website using HTML and CSS properties will vary depending on the complexity of the website. However, some basic hardware requirements include a computer with **at least 1 GHz processor, 1 GB of RAM**, and a **hard drive with at least 10 GB** of free space.

Software Requirements

Text Editor

Software	Version
Notepad	6.4 and above
Sublime text	3 and above
VS Code	1.46 and above

Web Browser

Software	Version
Chrome	41 and above
Firefox	52 and above
MS Edge	79 and above

Knowledge Requirements

- Basic knowledge of HTML and CSS
- Understanding of web design principles
- Ability to use a text editor and a web browser

Theory

HTML is a markup language that is used to create web pages. It is a text-based language that uses tags to define the structure of a web page. The tags are enclosed in angle brackets (< >), and they are used to identify different elements of a web page, such as headings, paragraphs, images, and links.

CSS is a style sheet language that is used to control the appearance of web pages. It is a separate language from HTML, but it is often used in conjunction with HTML to create visually appealing and functional web pages. CSS properties are used to control the size, colour, font, and other aspects of the appearance of HTML elements.

Basic HTML Tags:

- <html> tag: This tag defines the beginning and end of an HTML document.
- <head> tag: This tag contains information about the document, such as the title and the CSS styles.
- <body> tag: This tag contains the content of the document, such as text, images, and links.
- <h1> tag: This tag defines a heading of the first level.
- <p> tag: This tag defines a paragraph.
- tag: This tag defines an image.
- <a> tag: This tag defines a link.

Basic CSS Properties

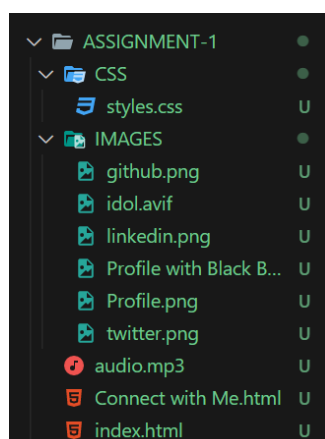
- color: This property is used to set the color of an HTML element.
- font-size: This property is used to set the size of the font of an HTML element.
- font-family: This property is used to set the font family of an HTML element.
- text-align: This property is used to set the alignment of text in an HTML element.
- background-color: This property is used to set the background color of an HTML element.

Code & Output

Live Site: <https://shaharsh624.github.io/Web-Tech-Assignment-1>

Code: <https://github.com/shaharsh624/Web-Tech-Assignment-1>

File Structure



Head Section

```
<head>
  <title>Harsh's Personal Website</title>
  <link rel="stylesheet" href="css/styles.css" />
</head>
```

Body Section – Main profile

```
<div>
  <table cellpadding="10" cellspacing="0">
    <tbody>
      <tr>
        <td>
          
        </td>
        <td>
          <h1>Harsh Shah</h1>
          <pre style="font-family: Georgia">
I am a Computer Science Student who is passionate about making Open-source
more accessible, creating tech to elevate people and build community.
I am currently learning MERN Stack, Algorithms and trying my hands on
Machine Learning. I love to explore new arenas.</pre>
          </td>
        </tr>
      </tbody>
    </table>
  </div>
```



Harsh Shah

I am a Computer Science Student who is passionate about making Open-source more accessible, creating tech to elevate people and build community. I am currently learning MERN Stack, Algorithms and trying my hands on Machine Learning. I love to explore new arenas.

Body Section – Education Details

```
<h2>Education</h2>
<table cellspacing="10">
  <thead>
    <tr>
      <th>Year</th>
      <th>Institute</th>
      <th>Area</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>2025</td>
      <td>Pandit Deendayal Energy University</td>
      <td>BTech CSE</td>
    </tr>
    <tr>
      <td>2021</td>
      <td>Shree Vasishtha Vidhyalaya</td>
      <td>HSC</td>
    </tr>
    <tr>
      <td>2019</td>
      <td>Vibrant International Academy</td>
      <td>SSC</td>
    </tr>
  </tbody>
</table>
```

Education

Year	Institute	Area
2025	Pandit Deendayal Energy University	BTech CSE
2021	Shree Vasishtha Vidhyalaya	HSC
2019	Vibrant International Academy	SSC

Body - Skills Section



```
<h2>Skills</h2>
<table>
  <tr>
    <td>
      <tr>
        <td>Web Development</td>
        <td>★★★★★</td>
      </tr>
      <tr>
        <td>Java</td>
        <td>★★★★</td>
      </tr>
    </td>
  </tr>
</table>
```

Skills

Web Development ★★★★★

Java ★★★★★

Body – Hobbies



```
<h2>Hobbies</h2>
<ol>
  <li>Programming</li>
  <li>Reading Books</li>
</ol>
```

Hobbies

1. Programming

2. Reading Books

Body - Favourites

```

<h2>Favourites</h2>
  <p>
    <strong>Ted Talk:</strong> How AI Could Save (Not Destroy) Education (
    <a
      href="https://www.youtube.com/watch?v=hJP5GqnTrNo"
      target="_blank"
    >Link</a>
  >)
</p>
<iframe
  width="560"
  height="315"
  src="https://www.youtube.com/embed/hJP5GqnTrNo?si=F1DB8ngVqhlVPx1v"
  title="How AI Could Save (Not Destroy) Education | Ted Talk"
  frameborder="0"
  allow="accelerometer; autoplay; clipboard-write; encrypted-media;
    gyroscope; picture-in-picture; web-share"
  allowfullscreen
></iframe>

<p><strong>Song:</strong> Bad Liar</p>
<audio controls muted>
  <source src="audio.mp3" />
</audio>

```

Favourites

Ted Talk: How AI Could Save (Not Destroy) Education ([Link](#))



Song: Bad Liar


▶ 0:00 / 4:22 — 🔊 ⋮

```
<p><strong>Idol:</strong> Ratan Tata</p>
<table cellpadding="10" cellspacing="0">
  <tbody>
    <tr>
      <td>
        
      </td>
      <td>
        <ul style="font-family: Georgia">
          <li>
            Ratan Tata was the chairman of the Tata Group, a Mumbai-based
            conglomerate, from 1991 to 2012.
          </li>
          <li>
            He is known for his business acumen and his commitment to
            corporate social responsibility.
          </li>
          <li>
            Under his leadership, the Tata Group expanded its reach into new
            industries and became one of the most respected companies in
            India.
          </li>
          <li>
            Tata is also a philanthropist and has donated millions of
            dollars to various charitable causes.
          </li>
        </ul>
      </td>
    </tr>
  </tbody>
</table>
```

Idol: Ratan Tata




- Ratan Tata was the chairman of the Tata Group, a Mumbai-based conglomerate, from 1991 to 2012.
- He is known for his business acumen and his commitment to corporate social responsibility.
- Under his leadership, the Tata Group expanded its reach into new industries and became one of the most respected companies in India.
- Tata is also a philanthropist and has donated millions of dollars to various charitable causes.


Body – Network Page (Redirection to another page)


```
<h2><a href="Connect with Me.html" target="_blank">Connect with Me</a></h2>
```

Connect with Me

Connect with Me Page (Page 2)


```
<head>
  <title>Connect With me</title>
  <link rel="stylesheet" href="css/styles.css" />
</head>
```

Body – Social Profiles


```
<h1>Connect with Me</h1>
<a href="https://www.linkedin.com/in/harshshahdev/" target="_blank"
  ></a>
<a href="https://github.com/shaharsh624" target="_blank"
  ></a>
<a href="https://twitter.com/_shaharshhh" target="_blank"
  ></a>
<br />
<p>
  E-mail Id:
  <a
    href="https://mail.google.com/mail/u/0/?harhdev624@gmail.com#inbox?compose=GTDNEpUTHQoQUJMHLrErGJyHg89uy71MyuHNZkLdbjKCDqrZplggFkcmsnMlvdgJGZl1WLhvzFsfk"
    target="_blank"
    >harshdev624@gmail.com</a>
  >
</p>
<p>Mobile No.: +91 90810 75280<br /></p>
```


Connect with Me



E-mail Id: harshdev624@gmail.com

Mobile No.: +91 90810 75280

Body – Contact Form

```
<h3>Messages are Welcomed</h3>
<form
  action="mailto:harshdev624@gmail.com"
  method="post"
  enctype="text/plain"
>
  <table>
    <tbody>
      <tr>
        <td>
          <label>Name</label>
        </td>
        <td><input type="text" name="Name " value="" /><br /></td>
      </tr>
      <tr>
        <td>
          <label>E-mail Id</label>
        </td>
        <td><input type="email" name="Email " value="" /><br /><br />
        </td>
      </tr>
      <tr>
        <td><label>Your Message:</label><br /></td>
        <td>
          <textarea name="Message " rows="8" cols="34"></textarea><br />
        </td>
      </tr>
    </tbody>
  </table>
</form>
```

Messages are Welcomed

Name

E-mail Id

Your Message:

CSS Styles

```
body {  
  background-color: #eaf6f6;  
  padding: 0.5%;  
  font-size: 18px;  
}  
  
hr {  
  color: grey;  
}  
  
h1 {  
  font-family: Georgia;  
}  
  
h1,  
h2,  
h3,  
h4 {  
  color: #529c9c;  
}  
  
p {  
  margin-top: 20px;  
}
```

```
a {
  text-decoration: none;
}

li {
  margin: 1%;
}

.idol {
  border: black 2px solid;
}

pre{
  line-height: 25px;
}
```

Conclusion

In conclusion, I believe that HTML and CSS are essential languages for creating and styling web pages. I have learned that by using these languages, I can create a website that is both functional and visually appealing. I know that the front pages of a website are the first thing that visitors see, so I will make sure that they are well-designed and engaging. I am confident that I can use HTML and CSS to create a front page that is sure to make a good impression.

References

- W3 School HTML Tutorial : <https://www.w3schools.com/html/>
- W3 Schools CSS Tutorial: <https://www.w3schools.com/css/>
- Structuring the web with HTML: <https://developer.mozilla.org/en-US/docs/Learn/HTML>
- Learn to style HTML using CSS: <https://developer.mozilla.org/en-US/docs/Learn/CSS>
- codecademy CSS Documentation: <https://www.codecademy.com/resources/docs/css>