

Full Stack Experiment 1

Name: Abhay Mathur

SAPID: 60017210016

Batch: AIML A1

Theory:

Abhay Mathur
60017210016

Full Stack Experiment -1

Aim: Creating an HTML webpage

Theory: HTML, which stands for hypertext markup language is the standard markup language used to create web pages. It defines the structure and content of a webpage. It defines the structure and content of webpage by using various elements and tags.

An HTML document is a plain text file with a HTML extension. It consists of elements enclosed in opening & closing tag.

Basic concepts & elements:

1) Headings:

HTML provides 6 levels of headers from `<h1>` to `<h6>`; it is used to structure the content of your page.

2) Paragraphs:

Paragraphs can be defined with the `<p>` element. They are used to group & format text content.

3) Links:

Hyperlinks are created using the `<a>` element. The `href` attribute specifies the destination URL.

4) Lists:

HTML supports ordered lists & unordered lists. List items are defined with the `` element.

5) Images:

Images are displayed using the `` element. The `src` attribute specifies the image file path. The `alt` attribute provides alternative text for accessibility & SEO.

6) Forms: HTML Forms (`<Form>`) are used to collect user input. Form elements include text inputs, radio buttons, checkboxes and more.

7) Tables: Tables can be defined using the `<table>` element. Rows are created using `<tr>`, headers with `<th>` and data cells with `<td>`.

8) Semantic elements: They provide meaning to the content. `<header>`, `<nav>`, `<main>`, `<article>`, `<section>` and `<footer>` are examples of semantics. These improve accessibility, help search engines understand your content better.

Conclusion: The above elements of HTML were used and the basic skeleton of the website was made.

~~11/10/23~~

Code:

MusicShop.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Music Shop</title>
  <link rel="stylesheet" href="musicshop.css">
</head>
<body>
  <h1>Welcome to Our Music Shop</h1>

  <nav>
    <li><a href="YourAccount.html">Your Account</a></li>
    <li><a href="AboutUs.html">About Us</a></li>
  </nav>

  <h2>Featured Products</h2>

  <main>
    <div class="product">
      
      <h3>Acoustic Guitar</h3>
      <p>High-quality acoustic guitar for beginners and professionals
alike. Price: $199</p>
      <button>Add to Cart</button>
      <br>
      <br>
      <hr>
    </div>

    <div class="product">
      
      <h3>Electronic Keyboard</h3>
      <p>61-key electronic keyboard with built-in sounds and rhythms.
Price: $149</p>
      <button>Add to Cart</button>
      <br>
      <br>
      <hr>
    </div>

    <div class="product">
      

```

```

        <h3>Drum Kit</h3>
        <p>Complete 5-piece drum kit for drummers of all skill levels.
Price: $299</p>
        <button>Add to Cart</button>
        <br>
        <br>
        <hr>
    </div>

    <footer>
        <h2>Contact Us</h2>
        <p>
            If you have any questions or need assistance, please email us
at
            <a
href="mailto:a21.mathur21@gmail.com">a21.mathur21@gmail.com</a>
        </p>
    </footer>

</main>

</body>
</html>

```

YourAccount.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Your Account</title>
    <link rel="stylesheet" href="youraccount.css">
</head>
<body>
    <h1>Your Account</h1>

    <nav>
        <ul>
            <li><a href="MusicShop.html">Home</a></li>

        </ul>
    </nav>
    <header>
        <h3>Welcome to Your Account!</h3>
    </header>
    <main>

```

```
<section id="user-profile">
  <h2>Your Profile</h2>
  
  <p><strong>Name:</strong> John Doe</p>
  <p><strong>Email:</strong> johndoe@example.com</p>
  <p><strong>Username:</strong> johndoe123</p>
</section>

<section id="account-details">
  <h2>Account Details</h2>
  <p><strong>Membership Level:</strong> Premium</p>
  <p><strong>Subscription Expiry:</strong> January 31, 2024</p>
  <p><strong>Change Password:</strong> <a href="change-
password.html">Click here</a></p>
</section>

<section id="order-history">
  <h2>Order History</h2>
  <table>
    <thead>
      <tr>
        <th>Order Number</th>
        <th>Date</th>
        <th>Total Amount</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>12345</td>
        <td>August 15, 2023</td>
        <td>$99.99</td>
      </tr>
      <tr>
        <td>67890</td>
        <td>July 25, 2023</td>
        <td>$49.95</td>
      </tr>
    </tbody>
  </table>
</section>
</main>

</body>
</html>
```

AboutUs.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About Us</title>
  <link rel="stylesheet" href="aboutus.css">
</head>
<body>
  <header>
    <h1>About Us</h1>
  </header>
  <nav>
    <li><a href="MusicShop.html">Home</a></li>
    <li><a href="YourAccount.html">Your Account</a></li>
  </nav>
  <main>

    <section>
      <h2>Our Mission</h2>
      <p>Our mission is to provide high-quality products and excellent customer service to meet the needs of our customers.</p>
    </section>

    <section>
      <h2>Meet the Team</h2>
      <ul>
        <li><a href="https://www.linkedin.com/in/abhay-mathur-00748622a/" target="_blank"><strong>Abhay Mathur</strong></a> - CEO</li>
        <li><a href="https://www.linkedin.com/in/shreya-shah-98698923a/" target="_blank"><strong>Shreya Shah</strong></a> - Marketing Director</li>
        <li><a href="https://www.youtube.com/watch?v=dQw4w9WgXcQ" target="_blank"><strong>Devansh Rathor</strong></a> - Sales Manager</li>
      </ul>
    </section>
  </main>
</body>
</html>
```

Output:

Welcome to Our Music Shop

- [Your Account](#)
- [About Us](#)

Featured Products



Acoustic Guitar

High-quality acoustic guitar for beginners and professionals alike. Price: \$199

[Add to Cart](#)



Electronic Keyboard

61-key electronic keyboard with built-in sounds and rhythms. Price: \$149

[Add to Cart](#)



Drum Kit

Complete 5-piece drum kit for drummers of all skill levels. Price: \$299

[Add to Cart](#)

Contact Us

If you have any questions or need assistance, please email us at s21-mathur21@gmail.com

Your Account

- [Home](#)

Welcome to Your Account!

Your Profile



Name: John Doe

Email: johndoe@example.com

Username: johndoe123

Account Details

Membership Level: Premium

Subscription Expiry: January 31, 2024

Change Password: [Click here](#)

Order History

Order Number	Date	Total Amount
12345	August 15, 2023	\$99.99
67890	July 25, 2023	\$49.95

About Us

- [Home](#)
- [Your Account](#)

Our Mission

Our mission is to provide high-quality products and excellent customer service to meet the needs of our customers.

Meet the Team

- [Abhay Mathur](#) - CEO
- [Shreya Shah](#) - Marketing Director
- [Devansh Rathor](#) - Sales Manager

Conclusion: The above elements of HTML were used and the basic skeleton of the website was made.