

# CS23531- WEB PROGRAMMING Assignment 1

Dinisha R (230701080)

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My HTML5 Profile</title>
</head>

<body>
    <header>
        <h1>Dinisha's HTML5 Profile</h1>
        <nav>
            <ul>
                <li><a href="#about">About Me</a></li>
                <li><a href="#skills">Skills</a></li>
                <li><a href="#experience">Experience</a></li>
                <li><a href="#projects">Projects</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </nav>
    </header>

    <main>
        <section id="about">
            <h2>About Me</h2>
            <p>
                Hello! I'm Dinisha, a passionate web enthusiast exploring the depths of HTML5.
                I enjoy building things for the web and learning new technologies.
                This page serves as a demonstration of various HTML5 elements.
            </p>
            <blockquote>
                "The web is for everyone and accessibility is key."
                <cite> - Tim Berners-Lee</cite>
            </blockquote>
            <p>
                My journey into web development began in <time datetime="2020-01-15">January 2020</time>.
            </p>
        </section>
        <section id="skills">
            <h2>My Skills</h2>
```

```
<dl>
  <dt>HTML5</dt>
  <dd>Proficient in semantic markup and document structure.</dd>
  <dt>CSS3</dt>
  <dd>Familiar with styling and layout techniques.</dd>
  <dt>JavaScript</dt>
  <dd>Basic understanding of client-side scripting.</dd>
</dl>

<h3>Progress in Learning</h3>
<p>HTML Mastery: <progress value="80" max="100">80%</progress></p>
<p>CSS Knowledge: <meter value="0.6">60%</meter></p>
</section>
<section id="experience">
  <h2>Work Experience</h2>
  <table border="1">
    <caption>Summary of Professional Experience</caption>
    <thead>
      <tr>
        <th>Company</th>
        <th>Role</th>
        <th>Duration</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Tech Solutions Inc.</td>
        <td>Junior Web Developer</td>
        <td><time datetime="2022-03">Mar 2022</time> - <time
datetime="2023-09">Sep 2023</time></td>
      </tr>
      <tr>
        <td>Digital Innovators</td>
        <td>HTML Layout Specialist</td>
        <td><time datetime="2021-01">Jan 2021</time> - <time
datetime="2022-02">Feb 2022</time></td>
      </tr>
    </tbody>
    <tfoot>
      <tr>
        <td colspan="3">More details available upon
request.</td>
      </tr>
    </tfoot>
  </table>
</section>

<section id="projects">
```

```
<h2>My Projects</h2>
<article>
    <h3>Project Alpha</h3>
    <p>
        A simple static website demonstrating responsive design
        principles.
        It uses basic HTML structure and CSS.
    </p>
    <figure>
        
        <figcaption>Screenshot of Project Alpha
        homepage.</figcaption>
    </figure>
    <p>
        Listen to a brief audio description:
        <audio controls>
            <source
                src="https://www.soundhelix.com/examples/mp3/SoundHelix-Song-1.mp3"
                type="audio/mpeg">
                Your browser does not support the audio element.
            </audio>
        </p>
    </article>

    <article>
        <h3>Project Beta</h3>
        <p>
            A short video showcasing a conceptual UI animation.
        </p>
        <video controls width="400" height="225">
            <source src="https://www.w3schools.com/html/mov_bbb.mp4"
            type="video/mp4">
            <track kind="captions" srcLang="en" label="English"
            src="captions.vtt">
            Your browser does not support the video tag.
        </video>
    </article>
</section>

<section id="contact">
    <h2>Contact Me</h2>
    <form action="#" method="POST">
        <fieldset>
            <legend>Personal Information</legend>
            <label for="fullName">Full Name:</label><br>
```

```

        <input type="text" id="fullName" name="fullName"
placeholder="Your Name" required><br><br>
            <label for="userEmail">Email:</label><br>
            <input type="email" id="userEmail" name="userEmail"
placeholder="your@example.com" required><br><br>
            <label for="userPhone">Phone:</label><br>
            <input type="tel" id="userPhone" name="userPhone"
pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}"
                placeholder="123-456-7890"><br><br>
            <label for="birthDate">Birth Date:</label><br>
            <input type="date" id="birthDate"
name="birthDate"><br><br>
            <label for="favColor">Favorite Color:</label><br>
            <input type="color" id="favColor" name="favColor"><br><br>
            <label for="quantity">Quantity (1-10):</label><br>
            <input type="number" id="quantity" name="quantity" min="1"
max="10" value="1"><br><br>
            <label for="volume">Volume (0-100):</label><br>
            <input type="range" id="volume" name="volume" min="0"
max="100" value="50"><br><br>
            <label for="website">Website:</label><br>
            <input type="url" id="website" name="website"
placeholder="https://example.com"><br><br>
        </fieldset>
        <br>

        <fieldset>
            <legend>Message Details</legend>
            <label for="subject">Subject:</label><br>
            <select id="subject" name="subject">
                <option value="">--Please choose an option--</option>
                <option value="inquiry">General Inquiry</option>
                <option value="feedback">Feedback</option>
                <option value="collab">Collaboration</option>
            </select><br><br>
            <label for="message">Your Message:</label><br>
            <textarea id="message" name="message" rows="5" cols="40"
placeholder="Type your message
here..."></textarea><br><br>
            <label for="browser">Your Browser:</label>
            <input list="browsers" name="browser" id="browser">
            <datalist id="browsers">
                <option value="Chrome">
                <option value="Firefox">
                <option value="Safari">
                <option value="Edge">
            </datalist><br><br>

```

```
<input type="checkbox" id="newsletter" name="newsletter" value="yes">
    <label for="newsletter">Subscribe to newsletter</label><br><br>
        <p>Preferred Contact Method:</p>
        <input type="radio" id="emailContact" name="contactMethod" value="email">
            <label for="emailContact">Email</label><br>
            <input type="radio" id="phoneContact" name="contactMethod" value="phone">
                <label for="phoneContact">Phone</label><br><br>
                <button type="submit">Send Message</button>
                <button type="reset">Clear Form</button>
            </fieldset>
        </form>
    </section>

    <hr>
    <details>
        <summary>More About This Page</summary>
        <p>This page was created to demonstrate a wide range of HTML5 tags in a practical context.</p>
        <p>
            This text is <em>emphasized</em>. This text is <strong>important</strong>.
        </p>
        <p>
            This is a line break.<br>
            This is another line.
        </p>
        <p>
            Here's some <mark>highlighted text</mark>.
        </p>
        <p>
            Mathematical expressions: x<sup>2</sup> + y<sub>2</sub>
        </p>
        <pre>
            <code>
                function greet() {
                    console.log("Hello!");
                }
            </code>
        </pre>
    </details>
</main>

<aside>
    <h3>Quick Links</h3>
```

```

<ul>
    <li><a href="https://www.w3.org/TR/html52/" target="_blank" rel="noopener noreferrer">HTML5 Specification</a></li>
    <li><a href="https://developer.mozilla.org/en-US/docs/Web/HTML" target="_blank" rel="noopener noreferrer">MDN HTML Docs</a></li>
</ul>
<p><small>This is some small print.</small></p>
</aside>

<footer>
    <p>© 2025 Dinisha . All rights reserved.</p>
    <address>
        <a href="mailto:dinisharavindran@gmail.com">dinisharavindran@gmail.com</a><br>
        Visit us at: <a href="http://www.example.com">Example.com</a>
    </address>
</footer>
</body>

</html>

```

## Output:

### Dinisha's HTML5 Profile

- [About Me](#)
- [Skills](#)
- [Experience](#)
- [Projects](#)
- [Contact](#)

#### About Me

Hello! I'm Dinisha, a passionate web enthusiast exploring the depths of HTML5. I enjoy building things for the web and learning new technologies. This page serves as a demonstration of various HTML5 elements.

"The web is for everyone and accessibility is key." - *Tim Berners-Lee*

My journey into web development began in January 2020.

#### My Skills

HTML5  
Proficient in semantic markup and document structure.  
CSS3  
Familiar with styling and layout techniques.  
JavaScript  
Basic understanding of client-side scripting.

#### Progress in Learning

HTML Mastery:  / 100  
CSS Knowledge:  / 100

## Work Experience

Summary of Professional Experience		
Company	Role	Duration
Tech Solutions Inc.	Junior Web Developer	Mar 2022 - Sep 2023
Digital Innovators	HTML Layout Specialist	Jan 2021 - Feb 2022
More details available upon request.		

## My Projects

### Project Alpha

A simple static website demonstrating responsive design principles. It uses basic HTML structure and CSS.



Screenshot of Project Alpha homepage.

Listen to a brief audio description:



### Project Beta

A short video showcasing a conceptual UI animation.



## Contact Me

### Personal Information

Full Name:

Email:

Phone:

Birth Date:

### Favorite Color:



### Quantity (1-10):

### Volume (0-100):



### Website:

### Message Details

#### Subject:

#### Your Message:

Type your message here...

Your Browser:

Subscribe to newsletter

#### Preferred Contact Method:

Email  
 Phone

Preferred Contact Method:

- Email
- Phone

[Send Message](#) [Clear Form](#)

► More About This Page

**Quick Links**

- [HTML5 Specification](#)
- [MDN HTML Docs](#)

This is some small print.

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