

# Don Bosco Institute of Technology

Kurla (W), Mumbai 400 070

## Internet Programming Lab

**Name:** Umme Atiya Quraishi

**Class:** TEIT

**Roll no.:** 47

**Date :** 24/07/2024

**Experiment no.:** 2

**Title:** Design a web pages using advance HTML5.

### Theory:

HTML5, the latest version of HTML, offers a plethora of new features and enhancements that enable developers to create more dynamic, interactive, and accessible web applications. While the core structure of HTML remains largely unchanged, these advanced features provide significant improvements.

#### Key Advanced Features

##### Semantic Elements:

**Enhanced Meaning:** HTML5 introduces new semantic elements like `<header>`, `<footer>`, `<nav>`, `<article>`, `<section>`, and `<aside>` to provide more meaningful structure to your content.

**Improved Accessibility:** These elements help screen readers and search engines better understand the content's purpose.

##### Multimedia:

**Audio and Video:** Embed audio and video directly into your web pages using the `<audio>` and `<video>` elements.

**Offline Caching:** Store multimedia content locally for offline playback using the Application Cache manifest.

##### Canvas and WebGL:

**Dynamic Graphics:** Create custom graphics, animations, and games using the Canvas API.

**3D Graphics:** Leverage WebGL for rendering complex 3D graphics and interactive experiences.

##### Web Storage:

**Local Storage:** Store data locally on the user's device for persistent storage.

**Session Storage:** Store data temporarily, which is cleared when the browser window is closed.

##### Geolocation API:

**Location Data:** Access the user's location information to provide personalized experiences or location-based services.

##### Web Workers:

**Background Tasks:** Offload computationally intensive tasks to background threads, improving responsiveness.

##### Drag and Drop:

**Interactive Elements:** Allow users to drag and drop elements within a web page.

WebSockets:

Real-time Communication: Establish persistent connections between the client and server for real-time updates.

**Program:**

```
<html>

<head>
<title>Atiya's Portfolio</title>
</head>

<body>
  <header>
    <h1>DBIT</h1>
    <h2>Umme Atiya</h2>
    </img>
    <nav>
      <ul>
        <li><a href="#about">About</a></li>
        <li><a href="#portfolio">Portfolio</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <section id="about">
    <h2>About Me</h2>
    <p>Third year student at DBIT. Eager to learn</p>

    <h3>Skills</h3>
    <ul>
      <li>Technical Proficiency</li>
      <li>Problem-solving and Critical Thinking</li>
      <li>Effective Communication & Collaboration</li>
    </ul>
  </section>

  <section id="projects">
    <h2>Projects</h2>

    <ul>
      <li><a href="https://github.com/UmmeAtiyaa/StockTracker-Django">TrendSight</a></li>
      <li><a href="https://github.com/UmmeAtiyaa/job-finder">JobFinder</a></li>
    </ul>
  </section>

  <section id="contact">
    <h2>Contact</h2>

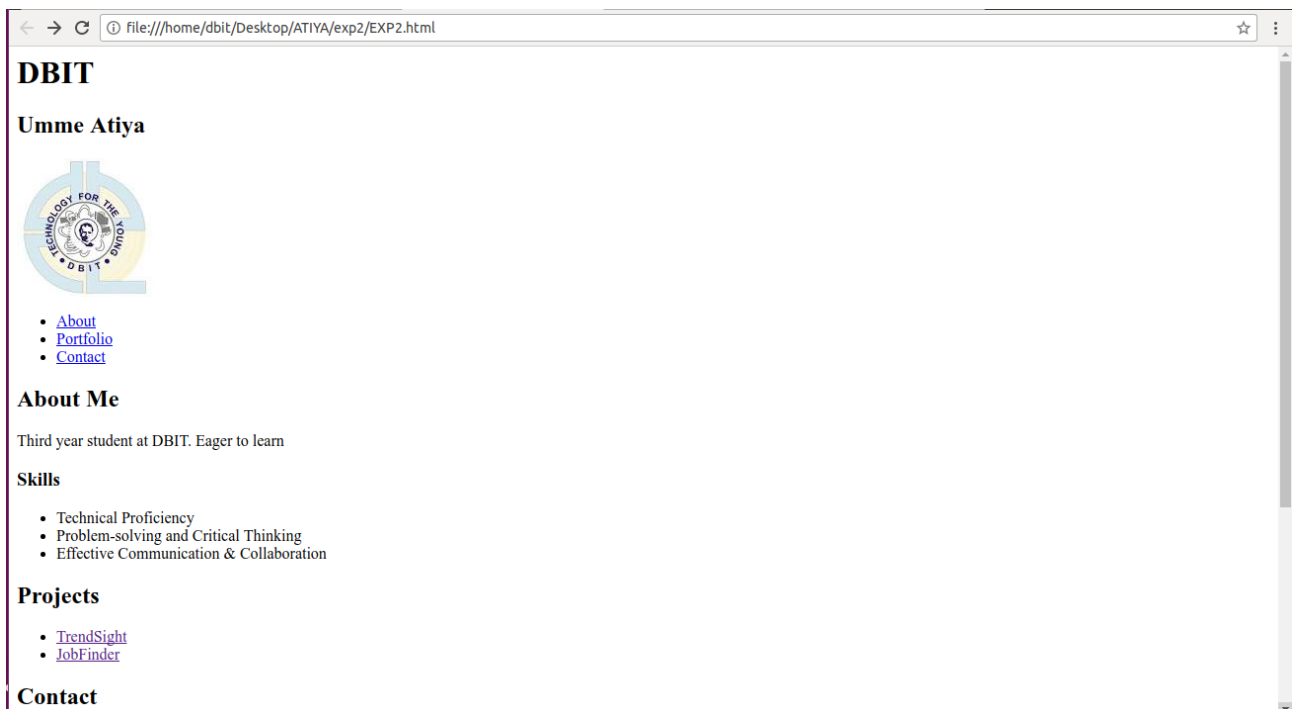
    <form>
      <label for="name">Your Name:</label>
      <input type="text" id="name" name="name"><br><br>
      <label for="email">Your Email:</label>
```

```
<input type="email" id="email" name="email"><br><br>
<label for="message">Message:</label>
<textarea id="message" name="message" rows="5" cols="30"></textarea><br><br>
<input type="submit" value="Send">
</form>
```

```
<p>Your phone number: <b>+91-9867557922</b></p>
</section>
```

```
<footer>
  <p> <i> ummeatiyaquraishi@gmail.com </i> </p>
</footer>
```

```
</body>
</html>
```



# DBIT

## Umme Atiya



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- [Portfolio](#)
- [Contact](#)

## About Me

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## Skills

- Technical Proficiency
- Problem-solving and Critical Thinking
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## Projects

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- [JobFinder](#)

## Contact