

# Building a Website Using FJPASTRI HTML Code for Web Development

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**Abstract**— The core of web development is Hypertext Markup Language (HTML), which makes it possible to create interactive and structured websites. This paper offers a thorough method for utilizing HTML to create a simple website. It draws attention to the key elements of HTML, including forms, tags, attributes, and multimedia integration. Along with CSS and JavaScript, the course covers the structure of an HTML document, best practices, and its function. It also examines HTML's uses and constraints in contemporary web development.

**Index Terms**— HTML, CSS, JAVASCRIPT

## I. INTRODUCTION

With HTML as its foundation, web development has emerged as a crucial ability in the digital age. HTML is a markup language that specifies a webpage's composition and design. HTML makes it easier to create dynamic and responsive webpages when paired with JavaScript and Cascading Style Sheets (CSS). This essay highlights HTML's significance in web design by examining the process of creating a simple website with it.

## II. OVERVIEW

HTML is a markup language that uses elements encased in tags (e.g., ``) to structure material.

### Document Structure in HTML

The following are included in an HTML document: The document type is specified by the Doctype Declaration:, such as ``.

The HTML element that encloses all content is the root element.

- Head Section: Includes title, metadata, and references.

The Body Section: consists of elements such as headings, paragraphs, graphics, and links, as well as viewable content.

## III. METHODOLOGIES

### 3.1 Website Planning - Define Purpose:

Choose the purpose of the website, such as an informational website, blog, or portfolio.

Content Outline: Get the text, pictures, and links ready.

### 3.2 Creating the HTML Document

The basic steps include:

- Setting up the HTML structure:

```
``html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
content="width=device-width, initial-scale=1.0">
  <title>Sample Website</title>
</head>
<body>
  <header>
    <h1>Welcome to My Website</h1>
  </header>
  <nav>
    <a href="#about">About</a>
    <a href="#contact">Contact</a>
```

```
</nav>
<section id="about">
  <h2>About Me</h2>
  <p>This is a sample website built with
HTML.</p>
</section>
<footer>
  <p>&copy; 2024 My Website</p>
</footer>
</body>
</html>
...

```

### 3.3 Adding Multimedia

```
Images:      
- Videos:   <video   controls><source
src="video.mp4" type="video/mp4"></video>`

```

### 3.4 Using JavaScript and CSS to Enhance

While HTML is the main topic of this article, JavaScript provides interaction and CSS enhances visual appeal.

## IV. FINAL RESULTS

This code would result in:

1. A title in the header.
2. Links for navigation.
3. Articles such as "About" and "Services."
4. A copyright notice in the footer.

## V. CONCLUSIONS

As the initial stage of website construction, HTML continues to be essential to web development. It is crucial for developers to comprehend its capabilities and structure. Integration with contemporary frameworks and tools for improved online experiences may be the subject of future research.

## VI. IMPLEMENTATIONS OF THE SOLUTION

The creation of HTML5 opens the door for progressive online apps by introducing cutting-edge technologies like canvas for graphics, geolocation APIs, and improved multimedia support.

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