

# Technical Documentation for the HTML Homepage

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## Overview

This document explains the structure and functionality of the homepage HTML file. The page is designed to present a personal portfolio or e-commerce page, showcasing ebooks and cloud solutions. It integrates sections for projects, skills, a blog, testimonials, and a call-to-action, while also implementing a dark mode toggle for user comfort. Additionally, it includes client-side scripting for user interaction and an external CSS file for styling.

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## HTML Structure

### 1. HTML Doctype & Language Declaration

```
<!DOCTYPE html>
<html lang="en">
```

The document is HTML5, and the language is set to English (`lang="en"`).

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### 2. Head Section

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Homepage : Doosan</title>
  <link rel="stylesheet" href="css/styles.css">
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?
family=Space+Mono:ital,wght@0,400;0,700;1,400;1,700&display=swap"
      rel="stylesheet">
</head>
```

- **Meta Tags:** The `meta charset` defines the character encoding as UTF-8, and `meta viewport` ensures the page is responsive across devices.
  - **Title:** The page title is set to "Homepage : Doosan."
  - **External Stylesheet:** The page links to an external CSS file (`styles.css`), responsible for styling the page.
  - **Font:** The "Space Mono" font is loaded from Google Fonts for typography.
  - **JavaScript:** An embedded script shows an alert about the dark mode feature when the page loads.
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### 3. Body Section

## Header and Navigation

```
<header>
  <nav class="no-dark-mode">
    <div class="logo">CloudNext</div>
    <ul>
      <li><a href="index.html" class="active">Home</a></li>
      <li><a href="html/about-me.html">About.U</a></li>
      <li><a href="html/projects.html">Ebooks</a></li>
      <li><a href="#services">My.Cart</a></li>
      <li><a href="html/contact-me.html">Contact.Me</a></li>
      <li><a href="#blog">Sign.In</a></li>
      <li><a href="#" class="dark-mode-toggle"></a></li>
    </ul>
  </nav>
</header>
```

- **Logo:** The logo text "CloudNext" represents the site brand.
- **Navigation Links:** The navigation includes links to various sections of the site, including Home, About, Ebooks, My Cart, Contact, Sign In, and a button for dark mode toggle.

## Slider Section

```
<section id="home" class="home-section slider">
  <!-- Slider Wrapper -->
  <div class="slider-wrapper">
    <div class="slide">
      <div class="home-content">
        <h1>Solutions Architect's Handbook</h1>
        <p>...</p>
        <a href="html/about-me.html" class="btn about-link">Read
More</a>
        <a href="#portfolio" class="btn">Add to Cart</a>
      </div>
      
    </div>
    <!-- Additional slides... -->
  </div>
  <button class="slider-btn prev-btn"></button>
  <button class="slider-btn next-btn"></button>
</section>
```

- **Slider:** Displays different books or content with descriptions. Each slide includes text, images, and navigation buttons (Previous/Next) to toggle between slides.
- **Call to Action Buttons:** Buttons to “Read More” or “Add to Cart.”

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Skills Section

```
<section id="skills">
  <div class="skill-item">
    <h2>Technical Competencies</h2>
    <p>Proficient in programming languages, DevOps tools, and cloud
services.</p>
    <a href="assets/resume.pdf" download>Download CV</a>
  </div>
  <!-- Additional skill items... -->
</section>
```

- **Skills Display:** Highlights technical competencies and expertise. Includes a downloadable resume (PDF).

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Projects Section

```
<section id="projects">
  <h1>Notable Cloud Engineering Ebooks</h1>
  <div class="projects-grid">
    <div class="project-item">
      <h3>Google Cloud Associate Cloud Engineer Certification</h3>
      <p>...</p>
      <a href="html/project-article.html" class="btn">Add to Cart
></a>
    </div>
  </div>
</section>
```

- **Project Cards:** Each project displays a book or resource with a description and a button to add it to the cart.

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Blog Section

```
<section id="blog">
  <h1>Explore the Bestsellers Cloud Ebooks</h1>
  <div class="blog-grid">
    <div class="blog-entry">
      
      <h3>Generative AI for Cloud Solutions</h3>
      <p>...</p>
      <a href="#blog-entry-1" class="btn">Add to Cart ></a>
    </div>
```

```
</div>
</section>
```

- **Blog Entries:** Displays various articles or resources for users to explore, including buttons to add items to the cart.

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### Testimonials Section

```
<section id="testimonials">
  <div class="testimonial-container">
    <button class="testimonial-nav previous"></button>
    <button class="testimonial-nav next"></button>
    <div class="testimonial-item">
      <div class="testimonial-rating">★★★★★</div>
      <blockquote>...</blockquote>
      <div class="testimonial-author">
        <p>Jordan S.</p>
      </div>
    </div>
  </div>
</section>
```

- **Testimonials:** Displays user feedback or reviews with navigation buttons to switch between testimonials.

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### Call-to-Action Section

```
<section id="cta">
  <div class="cta-content">
    <h2>Transform your projects with DevOps</h2>
    <p>Unlock the power of DevOps for your business.</p>
  </div>
  <div class="cta-buttons">
    <button class="btn">Hire me</button>
    <button class="btn">Read More</button>
  </div>
</section>
```

- **Call to Action:** Encourages users to engage with the services offered (e.g., Hire or Learn More).

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### Footer Section

```
<footer class="footer">
  <div class="footer-logo"><a href="#"></a></div>
  <div class="footer-column">...</div>
  <div class="footer-social">...</div>
  <p>&copy; 2024 Doosan. All rights reserved.</p>
</footer>
```

- **Footer:** Contains social media links, additional navigation, and copyright information.

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## JavaScript Functionality

```
<script>
  document.addEventListener('DOMContentLoaded', function () {
    alert('Welcome ! This website offers a dark mode...');
  });

  const darkModeToggle = document.querySelector('.dark-mode-toggle');
  darkModeToggle.addEventListener('click', function () {
    document.body.classList.toggle('dark-mode');
  });
</script>
```

- **Dark Mode:** JavaScript toggles a dark mode class on the body when the user clicks the toggle button.
- **Alerts:** An alert informs users about the dark mode upon page load.

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## External Scripts

```
<script src="js/testimonial.js"></script>
<script src="js/slider.js"></script>
<script src="js/theme.js"></script>
```

- **Testimonial, Slider, and Theme Scripts:** External JavaScript files handle the functionality for testimonials, slider navigation, and theme toggling.

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## Conclusion

This homepage is a fully-featured landing page for promoting ebooks and cloud services. It includes essential sections for content presentation, user engagement, and a user-friendly interface with dark mode capability. External CSS and JavaScript files enhance the appearance and interactivity of the page.