

1. Aim

To design and implement a web-based Stock Maintenance System using HTML, CSS, and DHTML to manage product details, purchases, sales, and stock.

2. Required Web Tools and Methodology

Web Tools:

- **HTML 4 & HTML 5:** For structuring the content and adding multimedia support.
- **CSS 2 & CSS 3:** For styling, layouts, and animations.
- **JavaScript (optional):** For interactivity and validation.
- **Browser:** Chrome, Firefox, Edge, or any other modern web browser.
- **Text Editor:** Visual Studio Code, Notepad++, or Sublime Text.

Methodology:

1. Design a web-based system with separate sections for:
 - Product details.
 - Purchases, sales, and stock.
 - Contact form for feedback.
 2. Use HTML to structure the pages and forms.
 3. Style the pages with CSS for user-friendly navigation and aesthetics.
 4. Use DHTML (dynamic HTML) techniques, including form validation and animations.
 5. Integrate features like internal hyperlinking, tables, images, and multimedia elements.
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3. Implementation Procedure

1. **HTML Structure:**
 - Create the main HTML pages: `index.html` and `about.html`.
 - Add sections for product details, forms, and navigation links.
 - Use tables, forms, and internal hyperlinks to organize the content.
2. **CSS Styling:**
 - Use an external stylesheet to define styles for headings, tables, buttons, and layout.
 - Implement CSS3 effects like borders, transitions, and animations.
3. **DHTML Features:**
 - Add dynamic form validation using JavaScript.
 - Create interactive elements like hover effects and alert messages.
4. **Testing:**

- Test the site locally using a browser or a local server.
- Validate the form and ensure all links work correctly.

4. Code

Refer to the provided code in the previous section, including:

- `index.html`: Main page structure.

Unset

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="Web Stock Maintenance System">
  <title>Web Stock Maintenance</title>
  <link rel="stylesheet" href="styles/style.css">
</head>
<body>
  <header>
    <h1>Web Stock Maintenance</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="#product-table">Products</a></li>
        <li><a href="#contact-form">Contact</a></li>
      </ul>
    </nav>
  </header>
  <hr>

  <main>
    <section>
      <h2>Welcome to Stock Maintenance System</h2>
      <p>This platform helps you manage product details, purchases,
sales, and stock in an organized way.</p>
      
    </section>
```

```
<section id="product-table">
  <h3>Product Details</h3>
  <table>
    <thead>
      <tr>
        <th>Product Code</th>
        <th>Product Name</th>
        <th>Opening Stock</th>
        <th>Price</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>101</td>
        <td>Notebook</td>
        <td>50</td>
        <td>$5</td>
      </tr>
      <tr>
        <td>102</td>
        <td>Pencil</td>
        <td>100</td>
        <td>$1</td>
      </tr>
    </tbody>
  </table>
</section>

<section id="contact-form">
  <h3>Contact Us</h3>
  <form>
    <label for="name">Name:</label>
    <input type="text" id="name" name="name" required>
    <br>
    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required>
    <br>
    <label for="message">Message:</label>
    <textarea id="message" name="message" required></textarea>
    <br>
    <button type="submit">Submit</button>
  </form>
</section>
```

```

        <iframe src="about.html" title="About Page" width="100%"
height="300"></iframe>
    </main>

    <footer>
        <p>© 2025 Web Stock Maintenance. All rights reserved.</p>
    </footer>
</body>
</html>

```

- **style.css**: External stylesheet for styling.

```

Unset
/* General Styles */
body {
    font-family: Arial, sans-serif;
    line-height: 1.6;
    margin: 0;
    padding: 0;
    background-color: #f4f4f9;
}

header {
    background: #333;
    color: #fff;
    padding: 1em 0;
    text-align: center;
}

header nav ul {
    list-style: none;
    padding: 0;
}

header nav ul li {
    display: inline;
    margin: 0 10px;
}

header nav ul li a {

```

```
        color: #fff;
        text-decoration: none;
    }

    h1, h2, h3 {
        color: #333;
    }

    main {
        padding: 20px;
    }

    table {
        width: 100%;
        border-collapse: collapse;
        margin: 20px 0;
    }

    table, th, td {
        border: 1px solid #ddd;
    }

    th, td {
        padding: 10px;
        text-align: left;
    }

    form {
        margin: 20px 0;
    }

    form input, form textarea, form button {
        display: block;
        width: 100%;
        margin: 10px 0;
        padding: 10px;
    }

    button {
        background: #333;
        color: #fff;
        border: none;
        cursor: pointer;
    }
```

```
button:hover {  
    background: #555;  
}  
  
footer {  
    text-align: center;  
    padding: 10px 0;  
    background: #333;  
    color: #fff;  
}
```

- `about.html`: Additional information page.

Unset

```
<!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="styles/style.css">  
</head>  
<body>  
    <header>  
        <h1>About Web Stock Maintenance</h1>  
    </header>  
    <main>  
        <p>This system is designed to streamline stock management for  
businesses by providing a user-friendly platform for tracking products,  
purchases, sales, and inventory.</p>  
    </main>  
    <footer>  
        <p>© 2025 Web Stock Maintenance</p>  
    </footer>  
</body>  
</html>
```

5. Output

Home Page:


- Displays a welcome message, navigation bar, and an image.
- Includes a table showing product details (Product Code, Name, Stock, Price).
- Provides a form for user contact details and messages.

Web Stock Maintenance

- [Home](#)
- [About](#)
- [Products](#)
- [Contact](#)

Welcome to Stock Maintenance System

This platform helps you manage product details, purchases, sales, and stock in an organized way.

 Stock Management

About Page:

- Displays an explanation of the system's purpose and benefits.

About Web Stock Maintenance

This system is designed to streamline stock management for businesses by providing a user-friendly platform for tracking products, purchases, sales, and inventory.

© 2025 Web Stock Maintenance

Product Details

Product Code	Product Name	Opening Stock	Price
101	Notebook	50	\$5
102	Pencil	100	\$1

Contact Us

Name:

Email:

Message:

6. Conclusion

The Web Stock Maintenance System successfully demonstrates the use of HTML, CSS, and DHTML to design a functional and user-friendly platform for managing product and stock details. The project provides a foundation for developing more complex web applications with database integration and advanced functionality.