Final Project of Front End

The Artikeys Company

Group:

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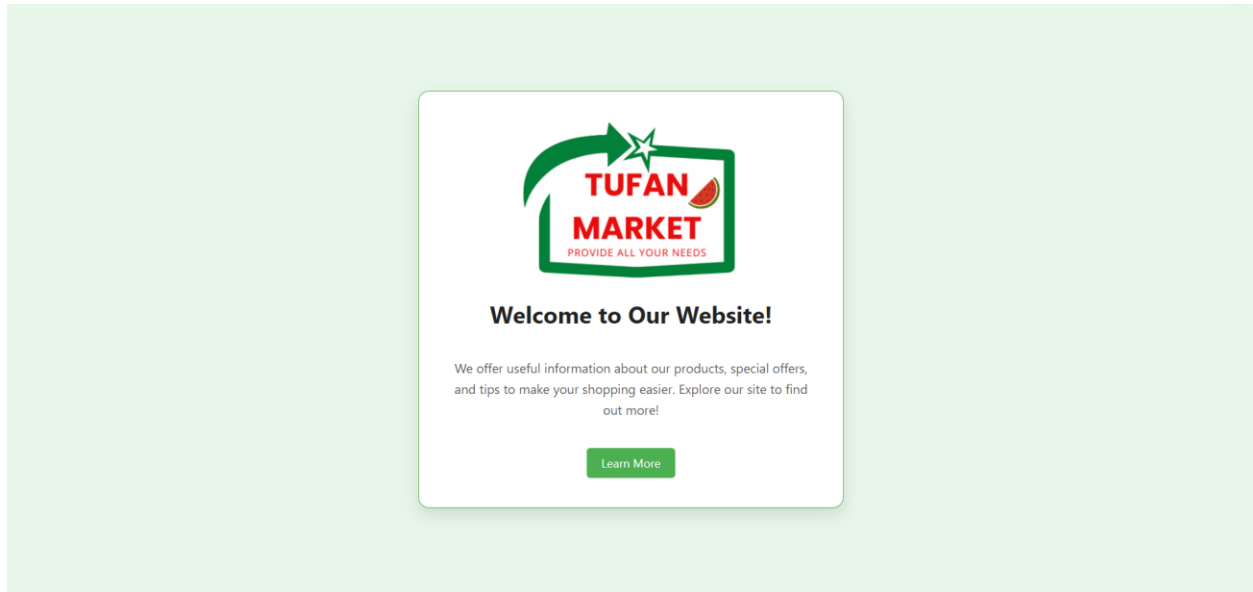
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Figure 1: Welcome Page Interface

Welcome Page Overview

The welcome page is the first thing visitors see when they enter the site. It gives an overview and invites visitors to learn more about the site.

Key Features:

1. **Site Logo**: Displays the logo to promote the brand.

2. **Welcome Message**: Contains a friendly greeting to welcome visitors.

3. **Introduction**: Provides brief information about the site, such as main products, special offers, and shopping tips.

4. **"Learn More" Button**: Takes visitors to another page with more details or interactive content.

How to Use:

The welcome page introduces the site and encourages visitors to explore more content and features.

Figure 2: Contact Us Interface

"Contact Us" Page Overview

The "Contact Us" page is a fundamental element of a website, providing a direct communication channel between users and the site's administration or support team. The page is designed to ensure a smooth and clear user experience, with a focus on ease of use and functionality.

Page Structure:

1. **Navigation Bar:**

   - Includes links to essential pages such as the homepage, task list, scientific calculator, and basic calculator.

   - Also features:

     - A button for changing background colors, allowing users to customize their browsing experience.

     - A dropdown menu for selecting the font type, enabling users to personalize text appearance.

2. **Color Palette:**

   - Displays a set of color circles for users to easily select their preferred background color.

3. **Contact Form:**

   - Fields:

     - **Username:** To identify the sender.

     - **Email:** For receiving replies and communication.

     - **Date of Birth:** To collect additional information.

     - **Phone Number:** For quick contact in emergencies.

     - **Password:** To secure personal information and ensure the safety of communication.

   - **Buttons:**

     - Save to Local Storage: For saving information permanently on the user's device.

     - Save to Session Storage: For saving information only during the current browsing session.

     - Reset Form: To reset all fields to their default values.

4. **Footer:**

   - Contains the copyright message for the site, ensuring intellectual property recognition and legal protection.

Summary:

The page allows users to enter their personal information and interact with the form in various ways, including customizing background colors and font types to suit their preferences. Data entered into the form can be stored either in local storage or session storage based on the user's choice, providing flexibility in data management and accessibility.

Figure 3: Scientific Calculator Interface

Scientific Calculator Overview

The scientific calculator is an advanced tool used for performing complex mathematical calculations. It was created using **HTML**, **CSS**, and **JavaScript**, and offers functions that go beyond basic arithmetic to include:

Key Features:

- **Basic Operations**: Perform addition, subtraction, multiplication, and division.

- **Exponentiation**: To raise a number to the power of another number.

- **Factorial Calculation**: To compute the factorial of a given number.

How It Works:

1. **Interface**: Built using HTML to display buttons and input fields.

2. **Design**: Styled with CSS to ensure the buttons and display area are neat and organized.

3. **Programming**: JavaScript is used to perform mathematical operations and convert entered numbers into accurate results.
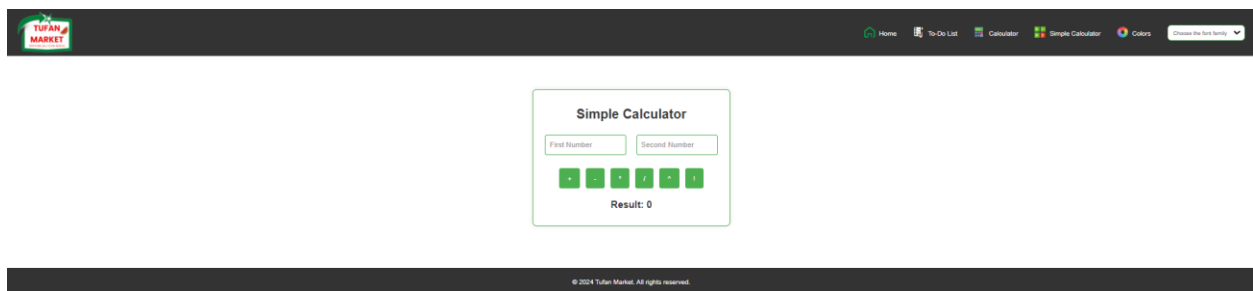
How to Use:

1. **Enter Numbe**rs: Press the buttons to input the required values.

2. **Select Operation**: Choose the desired calculation from the available buttons.

3. **View Result**: Click the "=" button to see the final result.

4. **Calculate Factorial**: Press the "!" button to calculate the factorial of the entered number.

The scientific calculator is a powerful tool for performing complex mathematical calculations, making it useful for students, engineers, and anyone needing advanced computation capabilities.

Figure 4: Simple Calculator Interface

Simple Calculator Overview

This simple calculator was created using **HTML**, **CSS**, and **JavaScript**. It allows users to perform basic calculations like addition, subtraction, multiplication, and division, as well as more advanced operations like exponentiation and factorial calculations.

Key Features:

- **Basic Operations**: Perform addition, subtraction, multiplication, and division.
- **Exponentiation**: Raise a number to the power of another number.
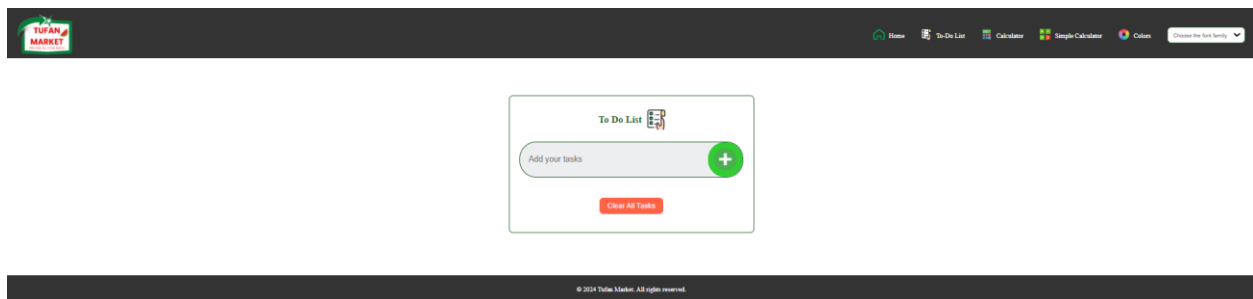- **Factorial Calculation**: Compute the factorial of a number.

How It Works:

1. **Structure**: Built with HTML elements such as buttons and display fields to create the user interface.
2. **Styling**: CSS is used to style the buttons and display area in a clean and organized way.
3. **Functionality**: JavaScript handles the calculations and updates the results based on user input.

How to Use:

1. **Enter Numbers**: Press the number buttons to input the values.
2. **Choose Operation**: Select the desired operation using the appropriate buttons.
3. **See Result**: Click the "=" button to see the result of the calculation.
4. **Calculate Factorial**: Enter a number and click the "!" button to calculate the factorial.
5. **Start Over**: Click the reset button to begin a new calculation.

This calculator is a great tool for beginners to learn how to use HTML, CSS, and JavaScript in an interactive and straightforward way.

Figure 5: To do List Interface

The To-Do List page allows users to organize their days by adding tasks. Users can input tasks and have the option to delete each one individually using a delete button. Additionally, there is a checkbox for each task that users can mark to indicate completion. All tasks are stored locally to preserve user data. Finally, there is a "Clear All" button that removes all tasks at once and updates the local storage accordingly.