

Project Title: Dessert Delivery Service Website | Manaly's Dessert Delivery

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Course Name: IST103

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Project Report

Introduction

The project centers around a user-friendly and interactive website designed for a **dessert delivery service**. This web application allows customers to explore a variety of desserts, place orders, and access information about past events where our desserts have been featured. The website aims to provide a seamless experience from dessert selection to order placement.

Theme/Content

The website is dedicated to offering a diverse selection of desserts for delivery, including options for personalized special events. It features an intuitive ordering system, with a homepage where users can select one or more desserts, a cart for managing selected items, a comprehensive event information page, an about page to introduce the business, and a contact page for user inquiries.

Interest/Inspirations

The project was inspired by our love for sweets and the talent of our friend and group member Anny, who is a masterful baker. Our group agreed that this idea would be practical because it allowed us to cover all HTML, CSS, and JavaScript requirements for the project. The colors were chosen to evoke the sweetness of desserts while ensuring a visually appealing and harmonious design.

Our goal was to create a website that stands out by offering both a polished design and a smooth user experience, reflecting the quality of the service provided.

Website Layout

Structure

The website layout utilizes a combination of CSS Grid and Flexbox to ensure a responsive and aesthetically pleasing design.

- **CSS Grid:** Applied to create structured layouts for the dessert selection and event information pages, enabling a clean presentation of products and details.
- **Flexbox:** Used for arranging elements within the navigation bar, footer, and various sections to ensure flexibility and responsiveness.

Technologies Employed

- **CSS Grid:** Utilized for the grid-based presentation of desserts and events, allowing for a well-organized layout.

- **Flexbox:** Employed for flexible alignment and distribution within the header, navigation, and footer.
 - **Media Queries:** Used to adjust the layout for different screen sizes, ensuring the site is accessible and functional on both mobile devices and desktops.
 - **Positioning:** Sticky, relative, and absolute positioning were used to ensure elements are placed exactly as intended.
 - **Calc:** Utilized to calculate element positions, such as the logo.
 - **Webkit-scrollbar:** Applied to customize the window scrollbar's color and size, matching the website design.
 - **Pseudo-classes:** Such as hover were used to capture focus on elements and apply specific CSS styles during events.
 - **Icon library (FontAwesome):** The free version of FontAwesome was used to incorporate icons, giving the website a more professional appearance.
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Website Organization

Homepage

- **Content:** Features a hero section with a promotional banner, introductory information about the dessert delivery service, and a menu displaying a grid of dessert options with images, descriptions, and prices. The "Cart" feature allows users to manage selected items.
- **Purpose:** Serves as the primary entry point, introducing visitors to the service and guiding them to other key sections.
- **Features:** The homepage includes navigation, a selection system for desserts, and a cart that updates dynamically. The cart information is stored in localStorage to persist across sessions.

Cart Page

- **Content:** Displays a summary of selected desserts and their quantities, along with the total order amount.
- **Purpose:** Provides an overview of the user's order and the option to proceed to checkout.
- **Features:** The cart page dynamically generates HTML using JavaScript, and also allows users to remove items or proceed to checkout via event listeners.

Checkout Page

- **Content:** Includes a form for entering address and payment information, along with a summary of selected items.
- **Purpose:** Facilitates the ordering process, allowing customers to input necessary details and complete their purchase.
- **Features:** The form fields are validated using JavaScript functions in the checkout.js file.

Confirmation Page

- **Content:** Displays a final message confirming the order was placed successfully.
- **Purpose:** Provides users with confirmation of their order, along with the option to return to the homepage.
- **Features:** The "Go back to home" button triggers a function that clears the cart and navigates the user back to the homepage.

Events Page

- **Content:** Showcases past events where the desserts have been featured, with images and descriptions.
- **Purpose:** Highlights the company's experience and the types of events served, demonstrating the versatility and quality of the service.

About Page

- **Content:** Provides detailed information about the cake delivery service, including insights into the company's founders.
- **Purpose:** Helps visitors understand the business and the people behind it, enhancing transparency and building trust with potential customers.

Contact Page

- **Content:** Contains a contact form for inquiries and includes the company's contact information.
- **Purpose:** Facilitates communication between the company and its customers.
- **Features:** The form fields are validated using JavaScript functions in the contact.js file.

Blog Page

- **Content:** Features blog posts related to cakes, baking tips, event planning, and company updates.
- **Purpose:** Engages visitors with informative content and provides updates about the company.
- **Features:** Includes embedded video from our YouTube channel, enhancing the content with visual demonstrations.

The Highlight

Our project stands out for its original idea, combining a unique business concept with carefully chosen colors, logo, and content. The logo was created using Canva, and the website's visual theme, with pink and pastel tones, reflects the sweetness of the desserts. The name of the website—MaAnNaAl—was creatively derived from the initials of our group members: Maho, Anny, Nathallye, and Alicia.

All images and videos were sourced from Anny's family events, adding a personal touch. We invested significant effort to ensure originality and quality, particularly in the JavaScript implementation of the cart and order form. Extensive research and development were undertaken to ensure these features provide a smooth and intuitive user experience. We also utilized localStorage to maintain data persistence across sessions.

The website is deployed on Vercel, making it easily accessible online for evaluation (<https://manalys-desserts-delivery.vercel.app>). The project is also hosted on GitHub (<https://github.com/nathallye/cctb-web-development-final-project>), marking our first collaborative effort as a team, through which we gained valuable experience and learned a great deal.

References

- **MDN Web Docs - CSS Grid Layout:** [MDN Grid Layout](#)
- **W3Schools - Display Grid:** [W3Schools Grid Layout](#)
- **MDN Web Docs - LocalStorage:** [MDN LocalStorage](#)
- **W3Schools - DOM Document:** [W3Schools DOM](#)
- **W3Schools - JavaScript Alert:** [W3Schools JS Alert](#)
- **MDN Web Docs - Webkit Scrollbar:** [MDN Webkit Scrollbar](#)
- **MDN Web Docs - Regular Expressions:** [MDN Regular Expressions](#)

Libraries

- **FontAwesome:** [FontAwesome Icons](#)