

## **Front-End UI/UX Mini Project**

### **Project Submission Template**

#### **1. Title Page**

- **Project Title:** “A Bakery Homepage”
- **Submitted By:**

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- **Course:** *UI/UX Design Fundamentals*
- **Instructor Name:** *Dhiraj*
- **Institution:** *Christ University*
- **Date of Submission:** *10/08/2025*

#### **2. Abstract**

This project involves designing and developing a responsive homepage for a local business using only HTML5 and CSS3. The primary objective is to create a well-structured, accessible, and SEO-friendly website that introduces the business, showcases its key services, and provides essential contact information. The site includes three main pages: **Home**, **About Us**, and **Contact** — each organized using semantic HTML tags to enhance readability and search engine visibility.

A consistent branding theme and mobile-first responsive design ensure optimal user experience across all devices. The homepage features a clear navigation menu, service highlights, and optional integration with Google Maps and social media links. Through this project, core front-



end development skills were reinforced, including layout structuring, styling with CSS, and adhering to accessibility and design best practices. The final product offers a functional and visually appealing representation of a real-world local business website.

### 3. Objectives

#### Project Goals

- **Design a user-friendly interface** that clearly represents the local business's brand, services, and values
- **Develop a fully responsive layout** using only **HTML5 and CSS3**, ensuring the site looks and functions well on desktop, tablet, and mobile devices
- **Implement structured semantic HTML5 elements** such as <header>, <nav>, <main>, <section>, and <footer> to enhance accessibility and SEO
- **Apply consistent CSS styling** to reflect the business's branding, including cohesive color schemes, typography, and layout spacing
- **Ensure accessibility and readability** by following best practices such as sufficient contrast ratios, readable fonts, alt text for images, and keyboard-friendly navigation
- **Integrate external resources** such as Google Maps and social media links to improve connectivity and user engagement

### 4. Scope of the Project

- This project focuses solely on the **front-end design and development** of a local business homepage using **HTML5 and CSS3**. It includes the creation of three responsive pages **Home**, **About Us**, and **Contact** which is designed to present the business's identity, services, and contact details clearly and professionally. The scope is intentionally limited to client-side technologies to maintain simplicity, improve accessibility, and ensure clean, maintainable code. Focused on **front-end design only** using HTML5 and CSS3
- **No JavaScript** or server-side functionality is included
- Designed for **desktop, tablet, and mobile** viewports using responsive design techniques
- Built using **pure code** with only **open-source tools**; no external libraries, frameworks, or CMS used

## 5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome Dev Tools	Testing and debugging

## 6. HTML Structure Overview

- Used semantic HTML5 tags: `<header>`, `<nav>`, `<main>`, `<section>`, `<footer>` to structure the page clearly
- Structured into logical and reusable sections such as **Home**, **About Us**, and **Contact**
- Navigation menu created with `<ul>` and `<a>` tags to provide clear links between pages and ensure accessibility
- Included elements like headings, paragraphs, images, and forms with appropriate semantic tags and attributes
- Ensured the HTML is clean, accessible, and maintainable, supporting SEO and user-friendly navigation

## 7. CSS Styling Strategy

- Linked an external stylesheet: `style.css` for all three pages
- CSS is organized with clear comments and section divisions to improve readability and maintenance

### Key styling techniques used:

- **Flexbox and Grid** for responsive layout and section alignment (e.g., services section, team layout)
- **Media Queries** to adjust layout and typography across desktop, tablet, and mobile devices
- **CSS Variables** implemented for consistent color schemes and easy branding updates
- **Hover effects and smooth transitions** used to improve interactivity (e.g., on buttons and links)

- **Mobile-first design approach** followed to prioritize performance and usability on smaller devices

## 8. Key Features

Feature	Description
<b>Responsive Design</b>	Adapts seamlessly to all screen sizes
<b>Smooth Navigation</b>	Fixed top nav with anchor links
<b>Project Cards</b>	Flex-based layout with hover effects
<b>Accessible Fonts &amp; Colors</b>	High contrast and readable typography

## 9. Challenges Faced & Solutions

Challenge	Solution
<b>Overlapping elements on small screens</b>	Used media queries to stack elements
<b>Difficulty aligning items using float</b>	Shifted to Flexbox and Grid
<b>Typography scaling issue</b>	Used relative units (em/rem) instead of px

## 10. Outcome

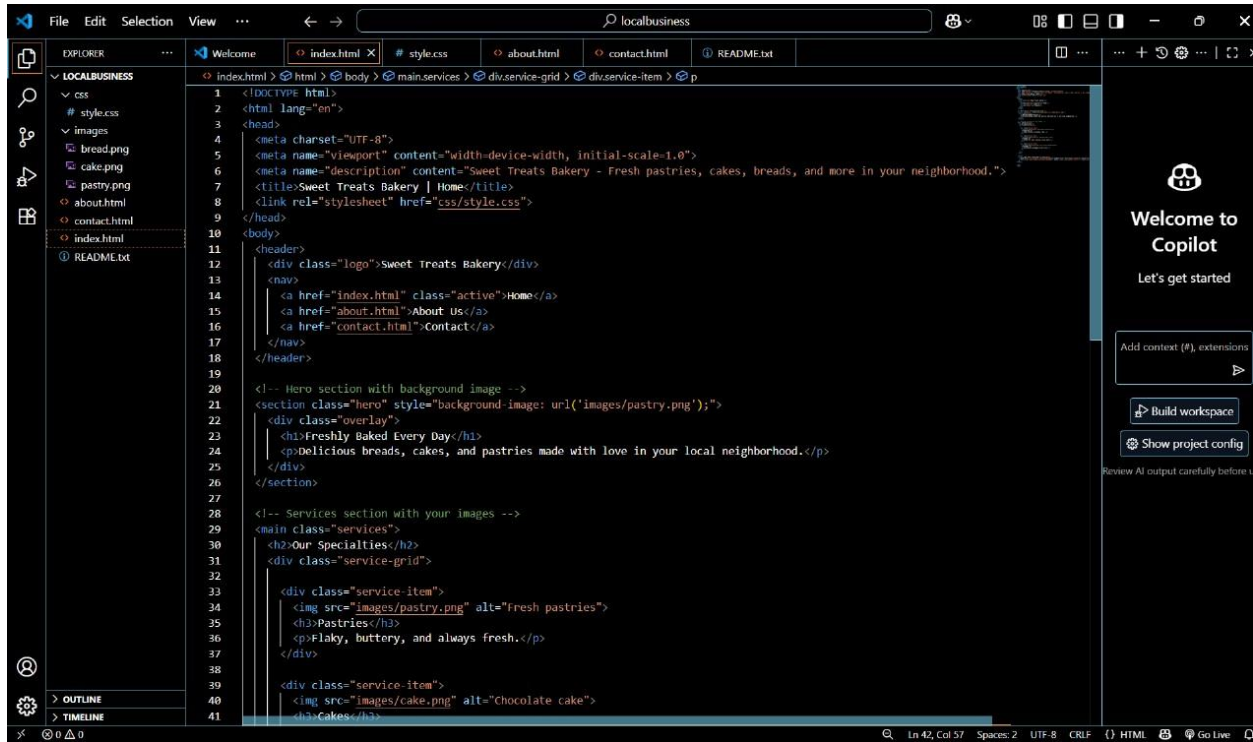
- Achieved a clean, consistent, and visually engaging front-end layout
- All key components function as intended using just HTML and CSS
- Learned about layout responsiveness and UI hierarchy in depth

## 11. Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content)
- Integrate animations or transitions
- Backend integration for form submission
- Theme toggler (light/dark mode)

## 12. Sample Code

- **HTML CODE**

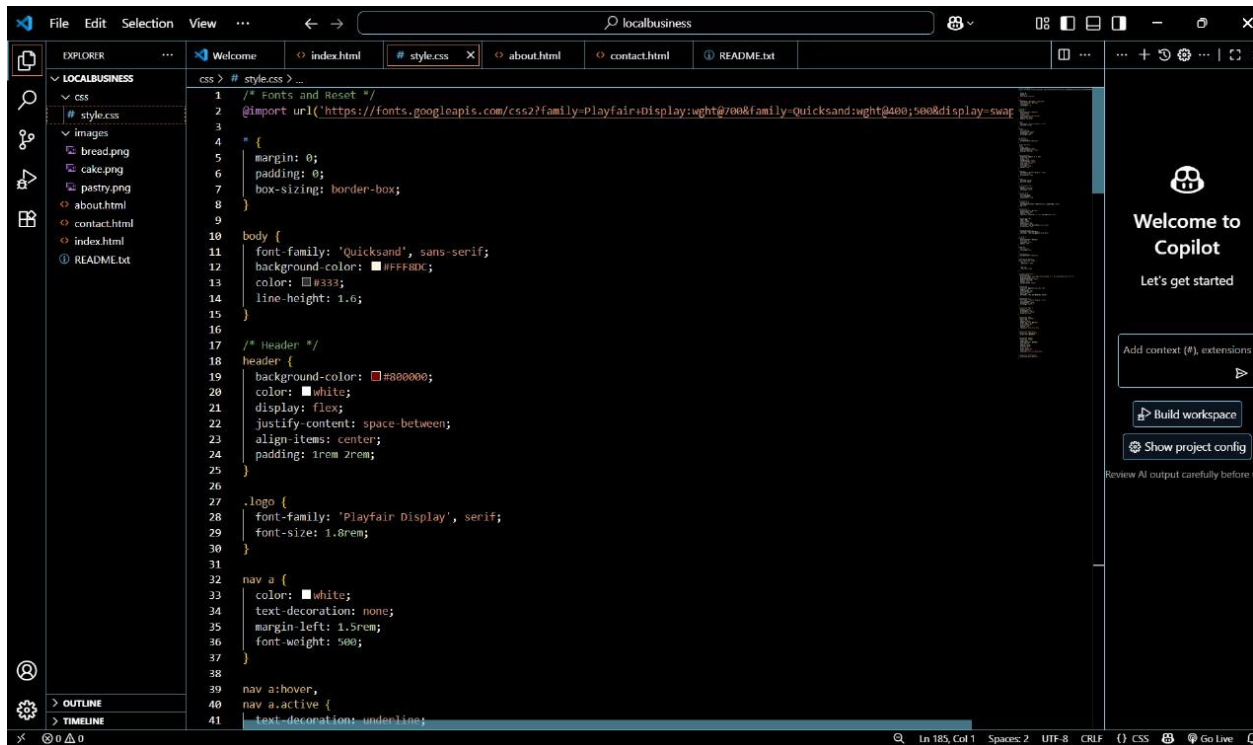


```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <meta name="description" content="Sweet Treats Bakery - Fresh pastries, cakes, breads, and more in your neighborhood.">
7   <title>Sweet Treats Bakery | Home</title>
8   <link rel="stylesheet" href="css/style.css">
9 </head>
10 <body>
11   <header>
12     <div class="logo">Sweet Treats Bakery</div>
13     <nav>
14       <a href="index.html" class="active">Home</a>
15       <a href="about.html">About Us</a>
16       <a href="contact.html">Contact</a>
17     </nav>
18   </header>
19
20   <!-- Hero section with background image -->
21   <section class="hero" style="background-image: url('images/pastry.png');">
22     <div class="overlay">
23       <h1>Freshly Baked Every Day</h1>
24       <p>Delicious breads, cakes, and pastries made with love in your local neighborhood.</p>
25     </div>
26   </section>
27
28   <!-- Services section with your images -->
29   <main class="services">
30     <h2>Our Specialties</h2>
31     <div class="service-grid">
32
33       <div class="service-item">
34         
35         <h3>Pastries</h3>
36         <p>Flaky, buttery, and always fresh.</p>
37       </div>
38
39       <div class="service-item">
40         
41         <h3>Cakes</h3>

```

## CSS CODE

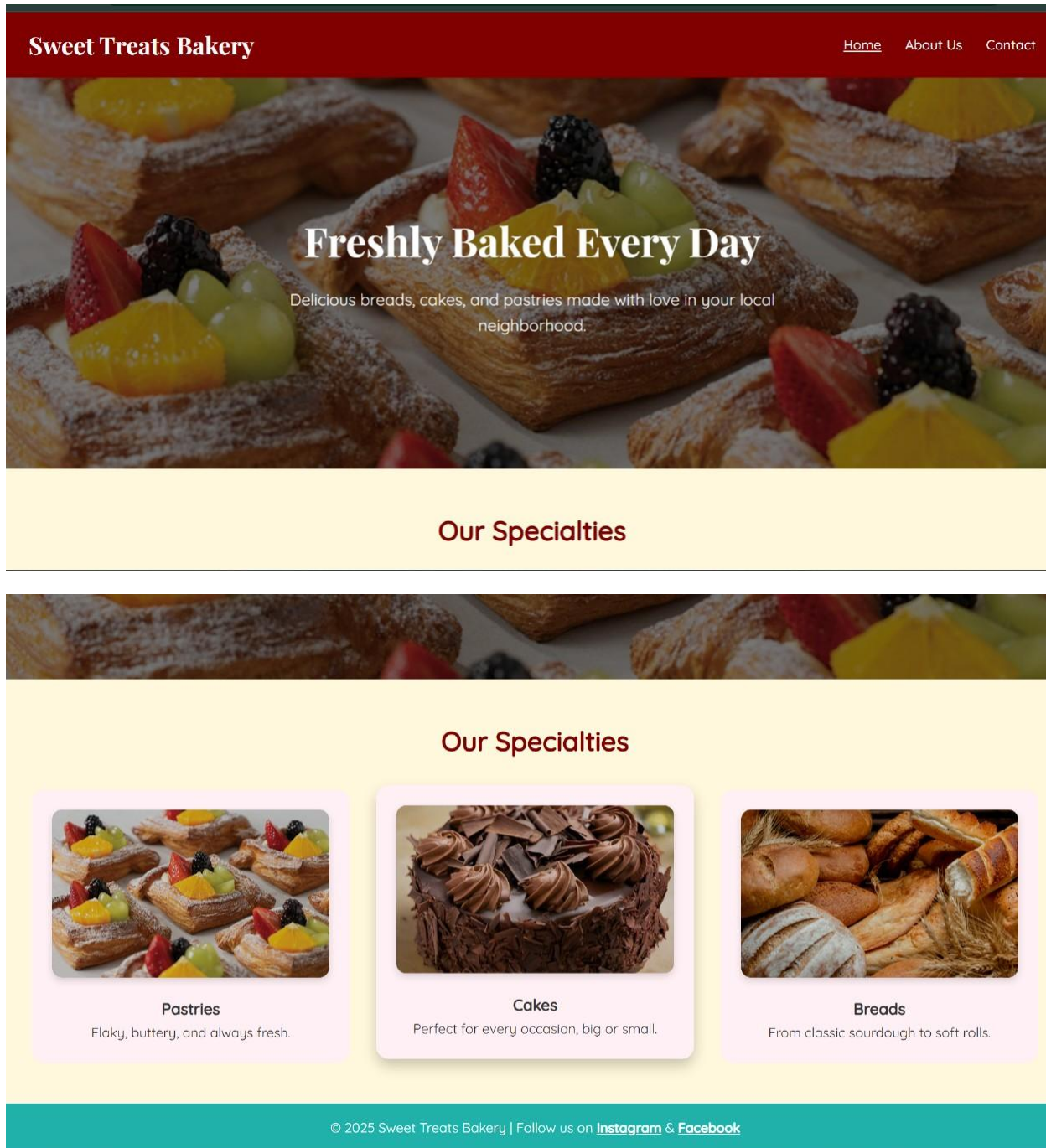


```

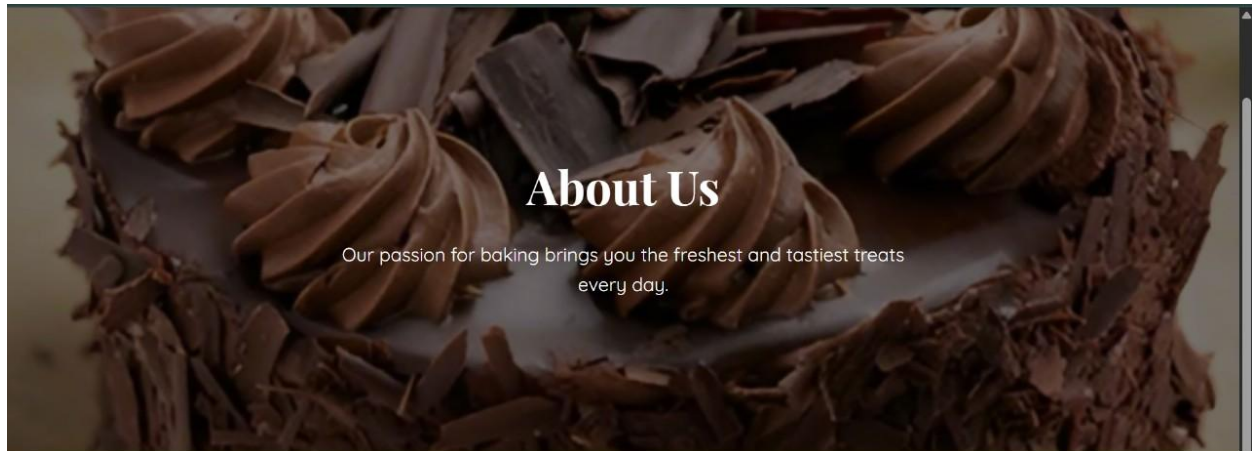
1 /* Fonts and Reset */
2 @import url('https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700&family=Quicksand:wght@400;500&display=swap');
3
4 * {
5   margin: 0;
6   padding: 0;
7   box-sizing: border-box;
8 }
9
10 body {
11   font-family: 'Quicksand', sans-serif;
12   background-color: #FFF8DC;
13   color: #333;
14   line-height: 1.6;
15 }
16
17 /* Header */
18 header {
19   background-color: #808080;
20   color: white;
21   display: flex;
22   justify-content: space-between;
23   align-items: center;
24   padding: 1rem 2rem;
25 }
26
27 .logo {
28   font-family: 'Playfair Display', serif;
29   font-size: 1.8rem;
30 }
31
32 nav a {
33   color: white;
34   text-decoration: none;
35   margin-left: 1.5rem;
36   font-weight: 500;
37 }
38
39 nav a: hover,
40 nav a: active {
41   text-decoration: underline;

```

### 13. Screenshots of Final Output





A close-up photograph of a chocolate cake decorated with chocolate shavings and swirls of chocolate frosting.

## About Us

Our passion for baking brings you the freshest and tastiest treats every day.

### Our Story

Founded in 1995, Sweet Treats Bakery has been serving our community with the freshest baked goods made from the finest ingredients. We take pride in blending traditional recipes with modern flavors.


### Meet the Team

Our passionate bakers, decorators, and servers work together to make sure every treat is as special as our customers.

© 2025 Sweet Treats Bakery

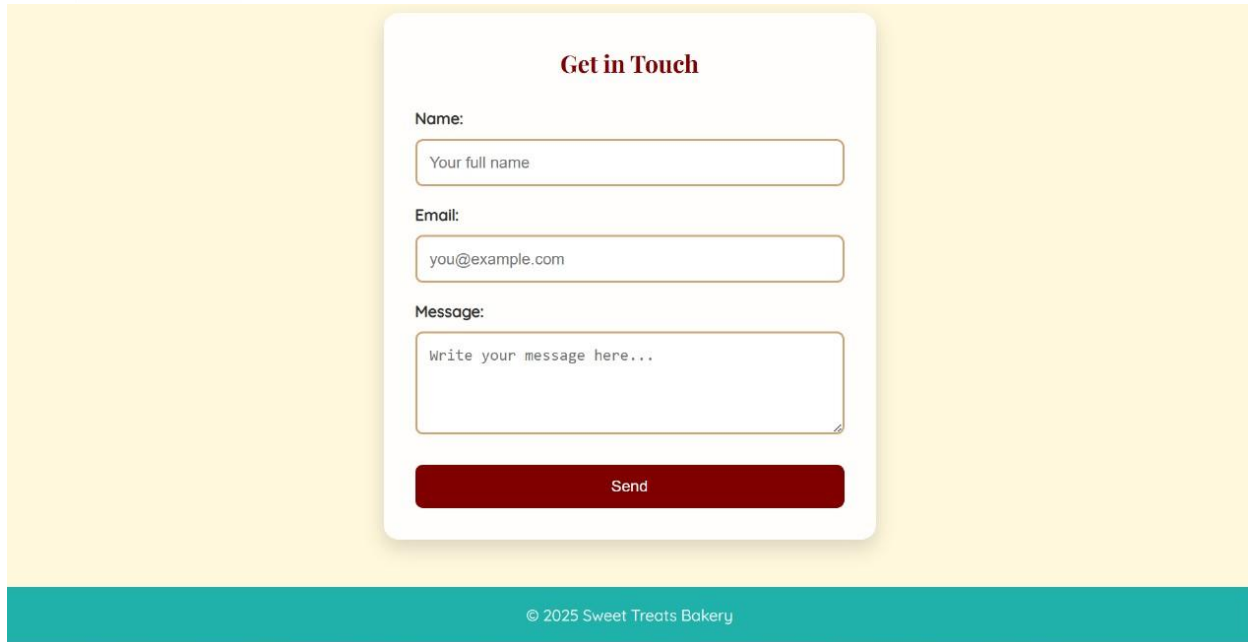
Sweet Treats Bakery

HomeAbout UsContact

A close-up photograph of various types of bread, including round loaves and a baguette, with wheat stalks in the foreground.

## Contact Us

Get in Touch



**Get in Touch**

Name:

Email:

Message:

© 2025 Sweet Treats Bakery

## 11. Conclusion

This project is a multi-page website developed for a local business, featuring a **Home**, **About Us**, and **Contact** page. The site presents essential business information such as services, history, and contact details, with a focus on clear structure, responsive design, and consistent branding. Built using only **HTML5** and **CSS3**, the project showcases a clean and user-friendly interface that adapts seamlessly across desktop, tablet, and mobile devices.

Through this mini project, I strengthened my front-end development skills by using semantic HTML, implementing Flexbox and Grid layouts, and applying responsive design principles. I also gained practical experience in creating accessible, SEO-friendly pages and using CSS for visual enhancements such as hover effects and smooth transitions. Overall, the project deepened my understanding of real-world web design and the importance of usability, accessibility, and brand consistency in business-oriented websites.

## 12. References

- L&T LMS : <https://learn.lntedutech.com/Landing/MyCourse>