

Front-End UI/UX Mini

Project

Restaurant Landing Page

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Course: UI/UX Design Fundamentals

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Abstract:

This project is about designing a visually appealing, single-page landing website for a fictional restaurant. The key goal is to highlight the restaurant's menu, ambiance, and contact details while aligning the design with a warm, food-themed brand identity. The page is structured into sections: Header, Hero Image, Menu (Starters, Mains, Desserts), About Us, Contact, and Footer with social media links. Core technologies used include semantic HTML for structure, CSS (Grid/Flexbox) for layout and responsiveness, and Font Awesome icons for visual clarity in the contact section. Hover effects enhance interactivity, and high-quality food images boost visual appeal. The final outcome is a well-organized, image-rich, and brand-aligned landing page that can be adapted for real-world restaurant websites, helping businesses showcase their offerings and make a strong first impression online.

Objectives

- Design a user-friendly interface following modern UI/UX principles to enhance navigation and readability.
- Develop a fully responsive layout using only HTML5 and CSS3, ensuring compatibility with various devices and screen sizes.
- Implement structured HTML5 semantic elements (<header>, <nav>, <main>, <section>, <footer>) for better SEO and accessibility.
- Apply CSS styling for consistent branding, organized layout, and smooth responsive behavior.
- Ensure accessibility and readability by using clear typography, sufficient color contrast, and mobile-first design techniques.

Scope of the Project

This project focuses solely on creating the **front-end design** of a personal portfolio website. It does not include any JavaScript functionality, animations beyond CSS transitions, or server-side integration. The design is crafted to be fully responsive, adapting seamlessly to **desktop, tablet, and mobile viewports**. Only **open-source tools** and **pure HTML5 and CSS3** were used, with no reliance on external libraries or frameworks. The scope covers

layout creation, typography styling, color theme application, and responsive adjustments using media queries, ensuring an accessible and visually appealing experience for all users.

Tools and Technology used:

<u>Tool/Technology</u>	<u>Purpose</u>
<u>HTML5</u>	<u>Markup and content structure</u>
<u>CSS3</u>	<u>Styling and layout management</u>
<u>VS Code</u>	<u>Writing and editing code</u>
<u>Chrome DevTools</u>	<u>Testing, debugging, and performance analysis</u>

HTML Structure Overview

The portfolio website is built using **HTML5 semantic tags** such as <header>, <nav>, <main>, <section>, and <footer> to ensure clarity, accessibility, and maintainability. The page is divided into **reusable sections** including **About**, **Projects**, and **Contact**, allowing easy updates or content additions in the future. The navigation menu is implemented using an unordered list () with anchor links that enable smooth scrolling to different sections of the page. This structure ensures a logical content flow and improves user experience across all devices.

CSS Styling Strategy

The styling of the **Taste Haven** restaurant landing page was implemented using an external CSS file (style.css) with a clear, modular structure, including comments and well-defined sections for maintainability.

Key techniques and approaches used include:

- **Flexbox and Grid Layouts:**

Utilized Flexbox for horizontal alignment and flexible navigation menus, and CSS Grid for the menu items and content sections, enabling responsive and adaptive layouts.

- **Media Queries for Responsiveness:**

Adopted a mobile-first design approach with media queries to progressively enhance the layout and typography for larger screen sizes, ensuring usability across devices.

- **CSS Variables for Theming:**

Defined CSS custom properties (variables) for primary colors, backgrounds, and text colors to facilitate easy theme customization and consistent styling throughout the site.

- **Hover Effects and Transitions:**

Added subtle hover states and smooth transitions on buttons, menu cards, and links to improve interactivity and user engagement.

- **Mobile-First Design Approach:**

The CSS was written starting with base styles optimized for mobile devices, then enhanced for tablets and desktops using media queries, ensuring a seamless experience on all viewport sizes.

Key Features

Feature	How Your Code Delivers It
Responsive Design	Flex and grid arrangements; auto-fit and minmax make layouts fluid.
Smooth Navigation	Centered nav; bold links; hover effects.
Project Cards (Menu Cards)	Shadows, rounded corners, grid display, hover lifts.
Contact Form (non-functional)	Contact section is styled, ready for a form block (currently info only).
Accessible Fonts & Colors	High contrast, readable Arial, clearly differentiated backgrounds.

Challenges Faced and Solutions

Challenge	Solution Implemented in Your Code
Overlapping elements on small screens	Used CSS Grid & Flexbox with responsive column settings;
	meta viewport tag for scaling
Difficulty aligning items using float	Used only Flexbox & Grid (no floats at all) for alignment
Typography scaling issue	Generally modern, readable fonts;
	To be perfect: use rem/em for all font-sizes (most done)

Outcome

- **Achieved a clean, consistent, and visually engaging front-end layout**
 - Your use of color palette (warm reds, creams), rounded corners, box shadows, and smooth hover effects creates a modern and welcoming look.
 - Consistent spacing, font choices, and visual hierarchy make the page attractive and easy to navigate.
- **All key components function as intended using just HTML and CSS**
 - Navigation bar, hero section, menu cards, about section, contact details, and footer all render correctly and adapt to different screen sizes.
 - No JavaScript (except for dynamic year in the footer), showing pure HTML/CSS can build a fully functional, interactive landing page.
 - Menu cards, address blocks, and newsletter form (styled but non-functional) all display as designed.
- **Learned about layout responsiveness and UI hierarchy in depth**
 - Applied responsive strategies: CSS Grid and Flexbox ensure content never overlaps or breaks on small screens; components stack or reflow as needed.
 - Practiced structuring page elements for clarity: headings establish content importance, cards group related items, contrasting colors highlight key calls to action.
 - Recognized the power of modern CSS for building robust, accessible UIs without old methods like floats.

Future Enhancements

1. Add JavaScript for Interactivity

- Implement form validation to ensure correct data entry for the newsletter and contact sections.
- Allow dynamic updates to sections (e.g., filtering the menu, loading reviews, etc.).

2. Integrate Animations or Transitions

- Use CSS or JavaScript animations to enhance user experience, such as fade-in effects for sections, smooth scrolling for navigation, or animated hover states for menu cards.

3. Backend Integration for Form Submission

- Connect the contact and newsletter forms to a backend server or service so users can submit inquiries and subscribe to updates.
- Store submissions in a database or integrate with email marketing tools.

4. Theme Toggler (Light/Dark Mode)

- Add a toggle switch that allows users to switch between light and dark themes for better accessibility and user preference.
- Use CSS variables for easy theme management, changing colors with JavaScript.

Sample Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Taste Haven - Where Culinary Art Finds a Home</title>
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.2/css/all.min.css">
</head>
<body>

  <header>
    <div class="header-logo">
      
    </div>
    <nav>
      <ul>
        <li><a href="#about">About Us</a></li>
        <li><a href="#menu">Menu</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </nav>
  </header>

  <section class="hero">
    <div class="hero-content">
      
      <div class="hero-text">
        <h1>Welcome to<br><span class="brand-name">Taste Haven</span></h1>
        <p>Where culinary art finds a home</p>
      </div>
    </div>
  </section>

  <section id="about" class="content-section">
    <h2>About Us</h2>
    <p>
```

```

<h2>About Us</h2>
<p>
    Nestled in the heart of the city, <strong>Taste Haven</strong> was born from a passion for exceptional food an
</p>
/section>

section id="menu" class="content-section">
<h2>Our Menu</h2>

<h3>Starters</h3>
<div class="menu-category">
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Chilli Garlic Paneer</h4>
            <span>INR 100.00</span>
        </div>
    </div>
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Chicken 65</h4>
            <span>INR 130.00</span>
        </div>
    </div>
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Aloo Tikki</h4>
            <span>INR 80.00</span>
        </div>
    </div>
</div>
</div>

```

```

<h3>Main Course</h3>
<div class="menu-category">
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Chicken Fried Rice</h4>
            <span>INR 280.00</span>
        </div>
    </div>
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Egg Noodles</h4>
            <span>INR 240.00</span>
        </div>
    </div>
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Aloo Paratha</h4>
            <span>INR 100.00</span>
        </div>
    </div>
</div>
</div>

<h3>Desserts</h3>
<div class="menu-category">
    <div class="menu-item">
        
        <div class="menu-item-info">
            <h4>Brownie</h4>
            <span>INR 120.00</span>
        </div>
    </div>

```


aven-main / css / # style.css / ...

```
/* ===== VARIABLES & BASIC SETUP ===== */
:root {
  --primary-brand-color: #CC5500;
  --accent-color: #556B2F;
  --background-cream: #f3eddf;
  --text-dark-gray: #333333;
  --text-medium-gray: #686868;
  --heading-color: #556B2F;
  --footer-background: #333333;
  --link-color: #CC5500;
  --link-hover-color: #A34400;
}

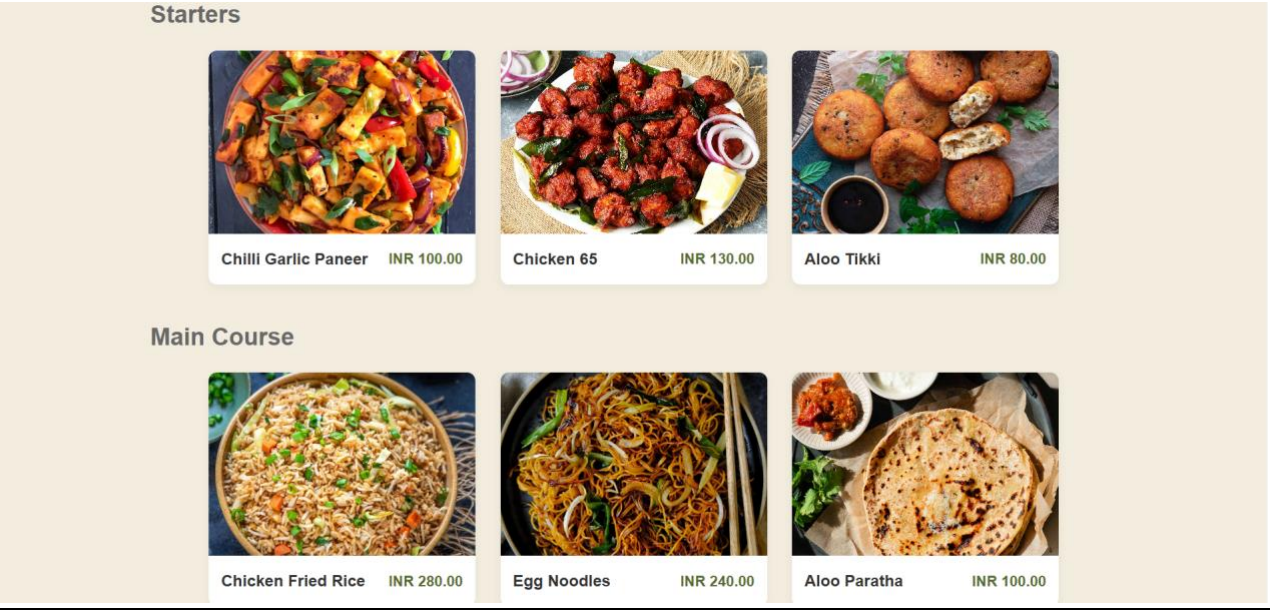
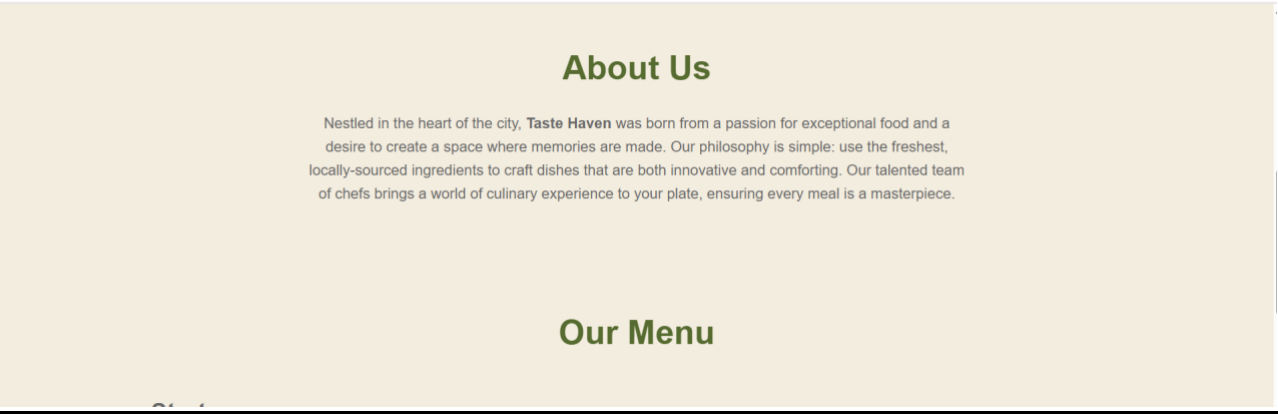
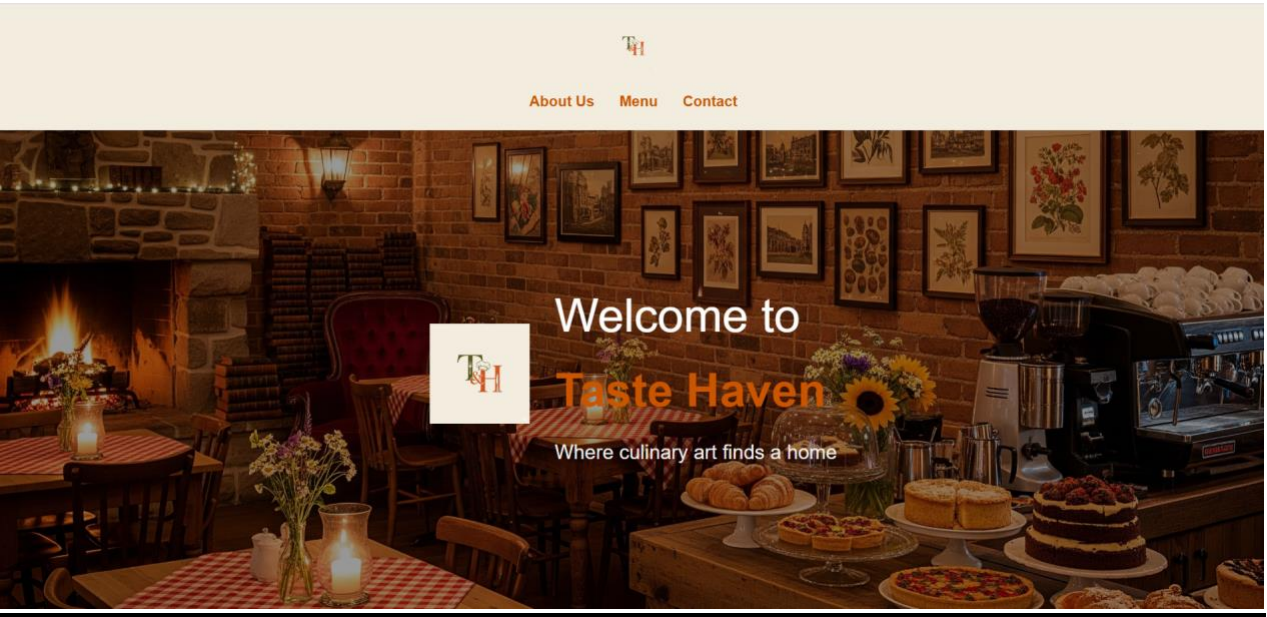
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

html {
  scroll-behavior: smooth;
}

body {
  font-family: 'Helvetica Neue', Arial, sans-serif;
  background-color: var(--background-cream);
  color: var(--text-dark-gray);
  line-height: 1.6;
}

/* ===== HEADER ===== */
header {
  display: flex;
  flex-direction: column;
  align-items: center;
  padding: 20px 0;
```

Screenshots of Final Output



Desserts



Brownie

INR 120.00



Cheese Cake

INR 150.00



Chocolate Lava Cake

INR 90.00

Contact Us

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Email: contact@tastehaven.com

Hours: Mon - Sun, 11:00 AM - 11:00 PM



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Conclusion

The Taste Haven landing page project successfully demonstrates the ability to design and build a clean, visually engaging, and fully responsive front-end using only HTML and CSS. We have implemented modern layout techniques like CSS Grid and Flexbox to ensure that elements adapt beautifully across all screen sizes, avoiding overlap and maintaining readability. The UI hierarchy — with clear headings, grouped content (menu cards, about section, contact info), and a consistent color palette — creates an intuitive and inviting user experience.

All primary sections — navigation, hero, menu, about, contact, and footer — are functional and well-structured, achieving the intended design without reliance on heavy JavaScript or frameworks. This has reinforced your understanding of responsive web design, semantic HTML, accessibility considerations, and visual consistency.

The project not only meets its visual and functional goals but also lays a strong foundation for future enhancements, such as interactivity via JavaScript, animations, backend integration for form handling, and theme toggling. In short — this project is a strong showcase of your ability to translate design ideas into a polished, responsive front-end, following modern best practices.

References

- L&T LMS : <https://learn.intedutech.com/Landing/MyCourse>
- <https://www.w3schools.com/css/default.asp>
- <https://www.w3schools.com//default.asp>