

Front-End UI/UX Development

Front-End UI/UX Development Mini Project

UI/UX DESIGN FUNDAMENTALS

Submitted by:

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Date of Submission: 13/08/2025



RESTAURANT LANDING PAGE

1. Abstract

This project entails the design and development of a visually captivating single-page restaurant landing page for a fictional establishment named 'Taste of Mothers Cook.' The website elegantly showcases the restaurant's menu, ambience, and contact information, with a strong emphasis on warm, food-inspired color palettes and high-resolution imagery. Constructed using semantic HTML5 and CSS3, the layout adeptly employs Flexbox and Grid to achieve a meticulous arrangement of sections, including Header, Hero Image, Menu, About Us, Contact, and Footer. Interactive features such as hover effects on menu items and clickable contact icons significantly enhance the user experience. The result is a responsive, brand-consistent landing page that embodies the restaurant's essence while providing visitors with a visually immersive browsing experience.

2. Objectives

- Design a one-page restaurant website highlighting menu, ambience, and contact details.
- Use Flexbox and Grid layout techniques to arrange image-rich sections.
- Implement thematic branding using warm tones, typography, and imagery.
- Incorporate hover effects on menu items for better user engagement.
- Ensure the design is responsive and aligns with brand identity.

3. Scope of the Project

The scope of this project is limited to the front-end design of the restaurant's landing page. It includes HTML structure, CSS styling, and responsive adjustments for different devices. Sections such as Header, Hero Image, Menu with three categories (Starters, Mains, Desserts), About Us, Contact, and Footer are implemented. No JavaScript, back-end integration, or dynamic content is included in the current scope.

4. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Semantic markup and content structure
CSS3	Styling, layout, and responsive design
Flexbox & Grid	Arranging menu items and sections precisely
Font Awesome	Icons for contact and social media links
VS Code	Code editor for development
Chrome DevTools	Testing and debugging layout responsiveness

5. HTML Structure Overview

- The HTML structure adheres to semantic principles, employing <header>, <nav>, <main>, <section>, and <footer> tags. The webpage is meticulously organized into distinct segments: a Header encompassing navigation, a Hero Image accompanied by welcoming text, a Menu section categorized into Starters, Mains, and Desserts, an About Us section featuring descriptive text and imagery, a Contact section detailing the address, telephone number, and operational hours, and a Footer that includes links to social media platforms and a placeholder for a newsletter.

6. CSS Styling Strategy

- An external stylesheet (style.css) is employed to elegantly style the webpage. A palette of warm, food-inspired hues, coupled with high-resolution imagery, significantly enhances the dining ambiance. The layout is meticulously arranged using Flexbox and CSS Grid techniques. Interactive hover effects are implemented on the menu items, while media queries guarantee that the design remains responsive across desktops, tablets, and mobile devices.
- Organized with comments and sections
- Techniques used:
 - Flexbox and Grid for layout
 - Media Queries for responsiveness
 - CSS Variables for theme customization
 - Hover effects and transitions
 - Mobile-first design approach

7. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to desktop, tablet, and mobile devices
Image-Rich Menu	High-quality images for all menu categories
Hover Effects	Zoom-in or highlight effect on menu items
Contact Icons	Clickable icons for address, phone, and social media
Brand-Aligned Styling	Warm tones and thematic typography

8. Challenges Faced & Solutions

Challenge	Solution
Aligning menu items consistently	Solved using CSS Grid for uniform alignment
Maintaining image quality across devices	Used optimized images and relative sizing
Footer spacing issues	Applied Flexbox with space-between property

9. Outcome

- The project successfully produced a responsive, visually appealing, and brand-focused restaurant landing page. The layout highlights the restaurant's menu, ambiance, and contact details, offering a professional and engaging first impression to visitors.
- All key components function as intended using just HTML and CSS.
- Learned about layout responsiveness and UI hierarchy in depth.

10. Future Enhancements

- Add JavaScript for interactive features like a reservation form.
- Implement a CSS-only lightbox for viewing full-size images.
- Add smooth animations and transitions.
- Enable multi-language support for a wider audience.
- Integrate animations or transitions
- Backend integration for form submission
- Theme toggler (light/dark mode)

11. Sample Code

```
<html>
<head>
</head>
<style>
.main{
background-image: url('https://th.bing.com/th/id/OIP.0Jerc8GlBpJRkwd06v9_NwHaEp?w=274&h=180&c=7&r=0&o=7&dpr=1.3&pid=1.7&rm=3');
background-size: cover;
}
h1{ color: green; }
h2{ color:#a103fc; }
.one{
height: 200px;
width: 200px;
padding: 10px;
margin: 10px;
}
button{
color: white;
background-color: #fcba03;
border-radius: 10px;
}
.two{
padding: 10px;
margin:10px;
}
.mutton{ background-size: cover; }
.f{ background-color: blue; }
.f{ background-color: green; }
.chicken{ background-size: cover; }
.fish{ background-size: cover; }
header {
background-image: url('https://th.bing.com/th/id/OIP.0Jerc8GlBpJRkwd06v9_NwHaEp?w=274&h=180&c=7&r=0&o=7&dpr=1.3&pid=1.7&rm=3');
background-size: cover;
color: white;
display: flex;
justify-content: space-between;
}
.p1{ color:#fffff; }
footer{
color: #29e1c0;
background-image: url('https://th.bing.com/th/id/OIP.0Jerc8GlBpJRkwd06v9_NwHaEp?w=274&h=180&c=7&r=0&o=7&dpr=1.3&pid=1.7&rm=3');
background-size: cover;
}
form input {
padding: 0.5em;
border: none;
border-radius: 4px;
}
form button {
padding: 0.5em 1em;
background: #2a9d8f;
color: white;
border: none;
border-radius: 4px;
}
</style>
<body>
<header>
<h1 style="color: white;">Restaurant Menu</h1>
<nav>
<a style="color: green; padding: 10px; padding-top: 30px;" href="#">Home</a>
<a style="color: green; padding: 10px;" href="#sectionfoot">feedback</a>
<a style="color: green; padding: 10px;" href="#sectionfoot">rating</a>
<a style="color: green; padding: 10px;" href="#">About us</a>
</nav>
</header>
<hr><hr>
<div id="sectionhome" class="main">
<h1 style="text-align: center;">TASTE OF MOTHERS COOK</h1>
<h2 style="text-align: center;">"Delicious Until the Last Bite"</h2>
```

```

<div style="d-flex flex-column">
    <!-- Menu sections (Mutton, Chicken, Fish) go here as in your provided HTML -->
    <!-- Footer -->
    <footer style="text-align: center;" id="sectionfoot">
        <form>
            <label for="email">give your feedback and rating:</label>
            <input type="email" id="email" placeholder="every feedback gives us a chance">
            <button type="submit">Submit</button>
            <h3>Thanks for your feedback</h3>
        </form>
    </footer>
</div>
</body>
</html>

```

Sample Code 1 – HTML for Header & Navigation

```

<header>
    <h1 style="color: white;">Restaurant Menu</h1>
    <nav>
        <a style="color: green; padding: 10px;" href="#">Home</a>
        <a style="color: green; padding: 10px;" href="#sectionfoot">feedback</a>
        <a style="color: green; padding: 10px;" href="#sectionfoot">rating</a>
        <a style="color: green; padding: 10px;" href="#">About us</a>
    </nav>
</header>

```

Caption: This snippet defines the header section containing the restaurant's name and a navigation bar with links to different sections of the page. Inline CSS styles are applied for color and spacing.

Sample Code 2 – HTML for a Menu Category (Mutton)

```

<div class="mutton" id="sectionmutton">
    <h1 style="text-align: center;">EXPLORE THE MUTTON PARADISE</h1>
    <div class="starters" style="text-align: center;">
        <h2>STARTERS</h2>
        <div style="display: flex;">
            
            
            
        </div>
    </div>

```

```
<h3>mutton 65 <button class="h">Half</button> / <button class="f">Full</button></h3>
<h3>mutton kebab <button class="h">Half</button> / <button class="f">Full</button></h3>
</div>
</div>
```

Caption: This code represents the “Mutton” section of the menu. It includes a section title, starter category heading, images of dishes, and buttons for half/full portions.

Sample Code 3 – CSS for Buttons & Hover Styling

```
button {
  color: white;
  background-color: #fcba03;
  border-radius: 10px;
}

.h {
  background-color: blue;
}

.f {
  background-color: green;
}
```

Caption: This CSS styles buttons across the page, giving them rounded corners and specific colors for “Half” and “Full” portion options. It improves the visual appeal and usability of menu item buttons.

12. Screenshots of Final Output



TASTE OF MOTHERS COOK

“Delicious Until the Last Bite”



MUTTON

[explore menu](#)

Succulent mutton in a rich, spicy gravy.

Juicy mutton pieces grilled to smoky perfection.



CHICKEN

[explore menu](#)

Crispy golden chicken with a zesty kick.

Spicy roasted chicken with a fiery finish.



FISH

[explore menu](#)

Golden fish fry with bold masala flavor.

Steamed fish with ginger and garlic aroma

EXPLORE THE MUTTON PARADISE

STARTERS



mutton 65 Half / Full
mutton kebab Half / Full
crispy mutton Half / Full


mutton curry

A rich and aromatic curry made with tender mutton slow-cooked in bold spices. Traditional mutton curry bursting with earthy spices and deep, hearty flavor.

add

mutton briyani

Mutton biryani—where spice meets soul, and every mouthful is a celebration. Wrapped in saffron and garnished with fried onions, this biryani is a symphony of taste and texture.

add

mutton soup

Mutton soup—where comfort meets tradition, and every sip tells a story of home-cooked goodness. From South Indian rasam-style to Hyderabadi marag, mutton soup is a timeless dish with regional soul.

add

EXPLORE THE CHICKEN PARADISE


chicken 65 Half / Full
chicken lolipop Half / Full
crispy KFC chicken Half / Full




chicken curry

A rich and aromatic curry made with tender chicken slow-cooked in bold spices. Traditional chicken curry bursting with earthy spices and deep, hearty flavor.

[add](#)

chicken briyani

chicken briyani—where spice meets soul, and every mouthful is a celebration. Wrapped in saffron and garnished with fried onions, this briyani is a symphony of taste and texture.

[add](#)

chicken soup

chicken soup—where comfort meets tradition, and every sip tells a story of home-cooked goodness. From South Indian rasam-style to Hyderabadi marag, mutton soup is a timeless dish with regional soul.

[add](#)

EXPLORE THE FISH PARADISE

STARTERS



fish 65 Half / Full

prawn toast Half / Full

prawn fry Half / Full



fish curry

A rich and aromatic curry made with tender Fish slow-cooked in bold spices. Traditional mutton curry bursting with earthy spices and deep, hearty flavor.

[add](#)

fish roast

chicken briyani—where spice meets soul, and every mouthful is a celebration. Wrapped in saffron and garnished with fried onions, this briyani is a symphony of taste and texture.

[add](#)

give your feedback and rating: every feedback gives us a

Submit

Thanks for your feedback

13. Conclusion

The “Restaurant Landing Page” project successfully demonstrates the application of semantic HTML5 and CSS3 to create a visually appealing, brand-aligned, and responsive website. By incorporating warm colour tones, high-quality food imagery, and modern layout techniques such as Flexbox and Grid, the design effectively highlights the restaurant’s menu, ambience, and contact details. Interactive elements, including hover effects and contact icons, enhance user engagement while maintaining simplicity and accessibility. This project strengthened practical skills in structuring content, managing layouts, and aligning visual design with brand identity, providing a strong foundation for future, more advanced web development work.

14. References

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