

# Front-End UI/UX Mini Project

# **Project Submission Template**

#### 1. Title Page

• **Project Title**: X RESTAURANT

Submitted By:

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• Course: UI/UX Design Fundamentals

• Instructor Name: Mr. Dhiraj alte

• **Institution**: Christ University

• **Date of Submission**: 25/09/2025

#### 2. Abstract

This project involves the design and development of a responsive restaurant website titled *X KITCHEN*. The main goal is to provide an attractive and user-friendly online presence for a restaurant, showcasing its menu, services, and contact details. Core technologies used include HTML5, CSS3, Bootstrap, jQuery, and Font Awesome. The website features sections such as Home, Starters, Mains, Desserts, About Us, and Contact, along with smooth scrolling, hover effects, and a "back to top" button. The final outcome is a visually appealing, responsive, and functional static front-end website that enhances customer engagement and accessibility across devices.

#### 3. Objectives

- Design a modern, user-friendly restaurant website.
- Use HTML5 semantic elements and CSS3 for structured, responsive design.
- Incorporate Bootstrap for layout and styling efficiency.
- Implement smooth navigation and interactive elements (hover, scroll).
- Provide a visually consistent menu display with pricing.



- Ensure compatibility across desktop, tablet, and mobile devices.

## 4. Scope of the Project

The project focuses exclusively on front-end development, showcasing the restaurant's menu, ambiance, and contact details. It does not include backend integration or dynamic ordering functionality. The scope is limited to creating a visually engaging and responsive design that can serve as a promotional platform for the restaurant.

## 5. Tools & Technologies Used

Tool/Technology	Purpose
Bootstrap 5	Grid layout, responsive design, prebuilt components
jQuery	Smooth scrolling, back-to-top button
VS Code	Code editor
Chrome DevTools	Testing and debugging

#### 6. HTML Structure Overview

- <header> for title and navbar.
- <section> for each key part: Hero, Starters, Mains, Desserts, About, Contact.
- <footer> for copyright.
- Navigation via anchor links with smooth scrolling.
- Images integrated into sections with hover transitions.

### 7. CSS Styling Strategy

- Bootstrap classes for grid layout and responsiveness.
- Custom CSS for background image, header/footer, hover effects.
- Mobile-first approach with scaling.
- Transitions for images (zoom on hover).
- Fixed background for immersive design.



### 8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links
Project Cards	Flex-based layout with hover effects
Contact Form (non-functional)	Placeholder layout for inputs and button
Accessible Fonts & Colors	High contrast and readable typography

## 9. Challenges Faced & Solutions

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

## 10. Outcome

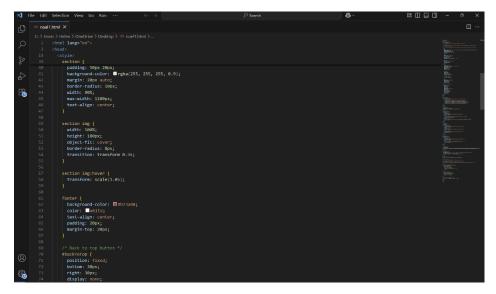
The project successfully produced a **visually engaging, responsive restaurant website** with well-structured sections, smooth navigation, and interactive features. It demonstrates how frontend development can create an effective digital presence for businesses.

### 11. Future Enhancements

- Add online ordering system with backend integration.
- Include customer reviews/testimonials.
- Integrate Google Maps for location.
- Implement light/dark mode toggle.
- Add animations and JavaScript-based interactivity (sliders, carousels).



# 12. Sample Code







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| A feet | Section | Note | Section | Section
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#### 11. Conclusion

The *X KITCHEN* project helped me strengthen front-end development skills by applying HTML, CSS, and Bootstrap to build a responsive restaurant website. I learned how to integrate design principles, improve navigation, and enhance user experience through interactivity. The project emphasized the importance of usability, consistency, and aesthetics in web design.

### 12. References

• L&T LMS: https://learn.lntedutech.com/Landing/MyCourse