

WEEK4

FlavourHub Restaurant Website

Project Documentation

1 Project Overview and Objectives

Project Overview

The **FlavourHub Restaurant Website** is a responsive, multi-page web application designed to showcase a restaurant's menu, gallery, and table booking functionality.

The website provides users with an elegant interface to explore food categories, view chef's special dishes, see real customer moments, and reserve tables online.

The project is developed using **HTML, CSS, and JavaScript** and follows a clean folder structure for easy maintenance.

Project Objectives

- To design a **user-friendly and responsive restaurant website**
 - To display **menu items with categories, prices, and ratings**
 - To create an **attractive gallery section** with Chef's Special and Customer Moments
 - To implement a **table booking form with validation**
 - To apply **modern UI effects** like hover animations, dark mode, and smooth scrolling
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2 Setup and Installation Instructions

Requirements

- Any modern web browser (Chrome, Edge, Firefox)
 - No server or database required
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3 Steps to Run the Project

1. Download and extract the provided ZIP file
2. Open the extracted folder named **week4**
3. Open index.html using any web browser

4. Navigate through pages using the navigation bar:

- Home
- Menu
- Gallery
- Book Table

✓ The project runs locally without any additional installation.

3 Code Structure Explanation

The project follows a **well-organized folder structure**:

week4/

|

 |—— index.html → Home page
 |—— about.html → About section page
 |—— menu.html → Menu with categories & ratings
 |—— gallery.html → Chef's Special & Customer Moments
 |—— booking.html → Table reservation form

|

 |—— css/
 | |—— style.css → All website styling & responsiveness

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 |—— js/
 | |—— script.js → JavaScript interactions & validations

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 |—— images/
 | |—— food/ → Chef's special food images
 | |—— ambience/ → Customer moments & ambience images
 | |—— veg/ nonveg/ → Menu category images

| └── hero-bg.jpg → Homepage background image

◆ **HTML**

- Structure of pages
- Semantic sections (header, section, footer)
- Forms and navigation

◆ **CSS**

- Responsive layouts using Flexbox & Grid
- Hover effects and transitions
- Dark mode styling
- Mobile responsiveness using media queries

◆ **JavaScript**

- Dark/Light mode toggle with localStorage
 - Menu search and sorting (price-based)
 - Table booking form validation
 - Custom success/error messages
 - Scroll animations and active navigation highlighting
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Screenshots of Working Application

HomePage



AboutPage



MenuPage

127.0.0.1:5500/menu.html

FlavourHub

Home About Menu Gallery Book Table

Signature Dishes

Search dishes...

Sort by Price

All Indian Veg Non-Veg Fast Food Desserts

Italian Pizza ₹520	Pasta Alfredo ₹200	Lasagna ₹350	Garlic Bread ₹180	Risotto ₹300	Bruschetta ₹220
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127.0.0.1:5500/menu.html

Sandwich ₹180	Chocolate Cake ₹180	Fruit Tart ₹190	Salad Bowl ₹200	Hot Dog ₹200	Brownie ₹200
Bruschetta ₹220	Cheese Burger ₹220	Cheesecake ₹220	Veg Curry ₹250	Nuggets ₹250	Pasta Alfredo ₹280

GalleryPage

FlavourHub

Home About Menu Gallery Book Table

Chef's Special

Handcrafted dishes curated by our master chefs



Italian Creamy Pasta
Slow-cooked with secret herbs & parmesan



Wood Fired Pizza
Authentic Italian crust baked to perfection



Chocolate Lava Cake
Rich molten chocolate with vanilla scoop

Customer Moments

Celebrations, smiles & memories at FlavourHub

Italian Creamy Pasta
Slow-cooked with secret herbs & parmesan

Wood Fired Pizza
Authentic Italian crust baked to perfection

Chocolate Lava Cake
Rich molten chocolate with vanilla scoop

Customer Moments

Celebrations, smiles & memories at FlavourHub



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BookTablePage

The screenshot shows a web browser window with the URL `127.0.0.1:5500/booking.html`. The page title is "FlavourHub". The main content area has a heading "Reserve Your Table" with a sub-instruction "Book your table in advance and enjoy a delightful dining experience.". Below this are five input fields: "Full Name" (Mamta Surasee), "Email Address" (mamta@gmail.com), "Mobile Number" (07721875365), "Number of Guests" (0), and "Reservation Date" (a dropdown menu). The background of the page is white with some light gray shadows.

The screenshot shows a web browser window with the URL `127.0.0.1:5500/booking.html`. The page title is "FlavourHub". The main content area displays a confirmation message: "Booking Confirmed for Mamta Surasee at 8:00 PM". Below this, there are four input fields: "Mobile Number" (07721875365), "Number of Guests" (0), "Reservation Date" (13-01-2026), and "Time Slot" (8:00 PM). There is also a "Special Request (Optional)" field containing "Birthday". At the bottom is a red "Confirm Booking" button. The footer of the page contains the copyright notice "© 2026 Mamta | FlavourHub Restaurant".

5 Explanation of How Technical Requirements Are Met

Responsive Design

- Used **CSS Grid and Flexbox**
 - Media queries ensure proper layout on mobile, tablet, and desktop
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Interactivity (JavaScript)

- Dark/Light theme toggle with saved preference
 - Menu search and price sorting
 - Form validation for table booking
 - Scroll-based animations for better user experience
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User-Friendly Interface

- Clear navigation bar
 - Attractive hover effects
 - Organized menu categories
 - Emotional gallery showcasing food and customer moments
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Performance Optimization

- Optimized image usage
 - Limited gallery images (12 total) for faster loading
 - Clean and reusable CSS classes
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Conclusion

The **FlavourHub Restaurant Website** successfully meets all the technical and functional requirements of a college-level web development project.

It demonstrates effective use of **HTML, CSS, and JavaScript** to build a modern, responsive, and user-friendly website.