Project Report

Project 2: Restaurant Menu Page (Static)

Project Overview :

The Namaste India Restaurant Website is a static, multi-page restaurant ordering simulation built using HTML5, CSS3, and JavaScript**.**

It includes:

- Landing Page (index.html) with a full-screen background and welcome message.
- Menu Page (menu.html) with a categorized grid of dishes (Vegetarian, Non-Veg, Drinks).
- Order Confirmation Page (confirmation.html**)** that dynamically shows the ordered item and price.
- Payment Page (payment.html**)** with an input form and dynamic order summary.
- Payment Success Page (payment_successfull.html) that generates a bill dynamically.

This project mimics a real restaurant ordering system but is entirely front-end based with no backend or database.

Objectives :

- Build an interactive, responsive restaurant website using HTML, CSS, and JavaScript only.
- Create a clear user journey from browsing dishes to placing an order and confirming payment.
- Use JavaScript to pass data between pages (via URL parameters).
- Present menu items with high-quality images, prices, and ingredients**.**
- Apply modern UI/UX practices for better engagement.

Expected Outcomes :

 A visually appealing and mobile-friendly restaurant ordering interface.

 Smooth navigation between pages without losing order details.

 Realistic menu browsing and order confirmation experience.

 Automated bill generation after payment.

 Practical demonstration of HTML + CSS for design and JavaScript for interactivity.

Design Sections :

A) index.html (Home Page)

- Full-screen Unsplash food background image.
- Dark overlay for contrast.
- Centered welcome card with restaurant name, description, and "View Menu" button.
- Responsive design using @media query for small screens.

B) menu.html (Menu Page)

- Top header with gradient background and home button.
- Three sections:
  - Vegetarian
  - Non-Veg
  - Drinks
- Each dish:
  - Image (with alt text for accessibility)
  - Title
  - Price
  - Ingredients (hidden until hover)

    - “Order Now” button with dynamic query string to pass item and price to next page.
- Special dishes have animated Chef’s Special badge.
- Fully responsive grid layout using CSS Grid.

C) confirmation.html (Order Confirmation Page)

- Displays thank-you message.
- Dynamically inserts ordered item name and price using URLSearchParams.
- Provides buttons: Back to Home**,** Order Again**,** Proceed to Payment**.**
- Issue found: Your document.getElementById('order-text').textContent is missing backticks (``) for template string — it will cause a JavaScript error.

D) payment.html (Payment Page)

- Displays order summary using URL parameters.
- Payment form collects:
    - Name on card
    - Email
    - Card number
    - Expiry month/year
    - CVV
- Expiry year options generated dynamically in JavaScript.
- On submit, redirects to payment_successfull.html with item, price, and quantity in URL.
- Issue found**:** You missed backticks in some JS strings like <option> creation — this will break script execution.

E) payment_successfull.html (Payment Success Page)

- Displays "Payment Successful" message.
- Dynamically generates bill table with:

    - Item name
    - Quantity (default 1)
    - Price per item
    - Total price
- Issue found: Same backtick problem when appending bill rows.

Design Guidelines Followed :

- Color Scheme:
    - Warm food-themed palette:
        - Deep orange #d84315 for highlights.
        - Fresh green #388e3c for positive actions.
        - Golden yellow for accents.
- Typography:
    - Clear, sans-serif Segoe UI font for readability.
- Layout Principles:
    - Flexbox for centering content.
    - CSS Grid for menu item arrangement.
    - Rounded corners (border-radius) for modern feel.
- Responsive Design:
    - @media(max-width: 480px) for mobile scaling.
    - Adaptive grid layouts with auto-fit and minmax.
- Interactivity:
    - Hover effects on buttons and dish cards.
    - Ingredient reveal animation on hover.
    - Rotating badge animation for specials.
- Accessibility:
    - alt attributes on all images.
    - aria-label for menu sections.

Technical Implementation :

 Languages Used:

- HTML5 for structure.
- CSS3 for styling and layout.
- Vanilla JavaScript for dynamic data handling.

 Dynamic Data Handling:

- URL parameters (item, price) are passed between pages.
- JavaScript extracts these parameters and updates content accordingly.

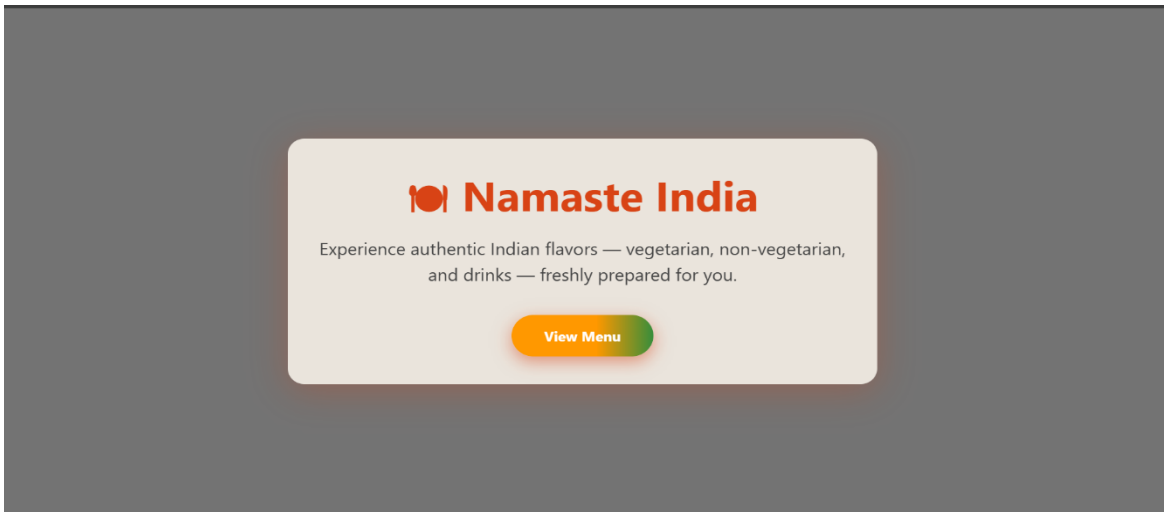
 Key JavaScript Features:

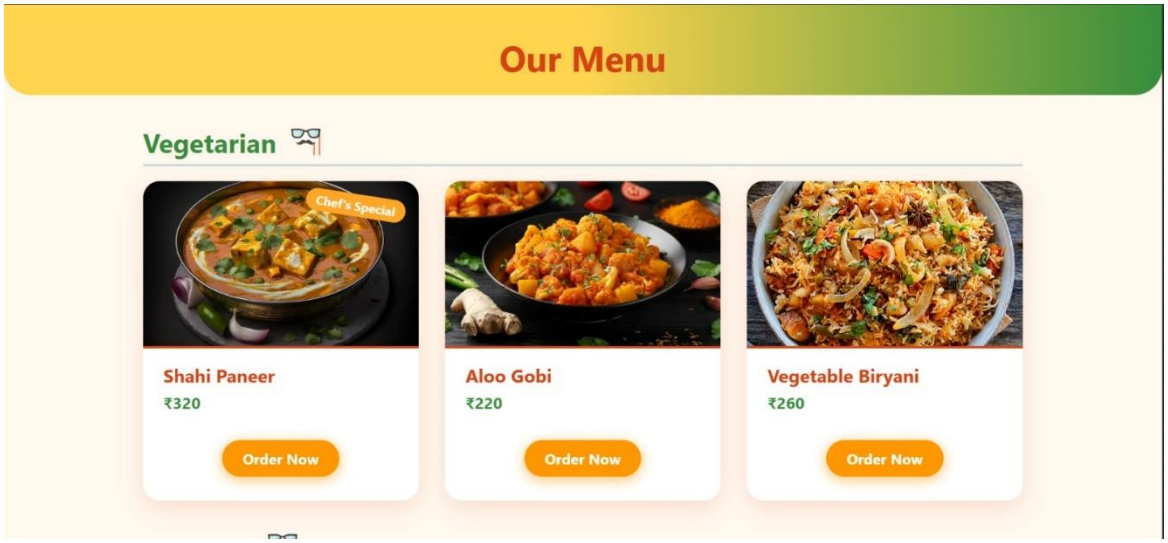
- URLSearchParams to read data from query string.
- encodeURIComponent & decodeURIComponent to handle spaces and special characters.
- DOM manipulation to update text content and links.
- Dynamic dropdown generation for payment expiry years.

 Flow:

1. index.html → Click "View Menu" → menu.html
2. Select dish → Pass item & price via URL → confirmation.html
3. Click "Proceed to Payment" → Pass details → payment.html
4. Submit form → Pass details → payment_successfull.html
5. Bill generated dynamically.

Screenshot:


Namaste India
Experience authentic Indian flavors — vegetarian, non-vegetarian, and drinks — freshly prepared for you.
View Menu


Our Menu
Vegetarian
Chef's Special
Shahi Paneer
₹320
Order Now
Aloo Gobi
₹220
Order Now
Vegetable Biryani
₹260
Order Now

✅ Thank You for Your Order!

Your delicious "Aloo Gobi" for ₹220 is being prepared and will be ready shortly.

Back to Home | Order Again | Proceed to Payment

Payment

Aloo Gobi - ₹220

Name on Card

Email

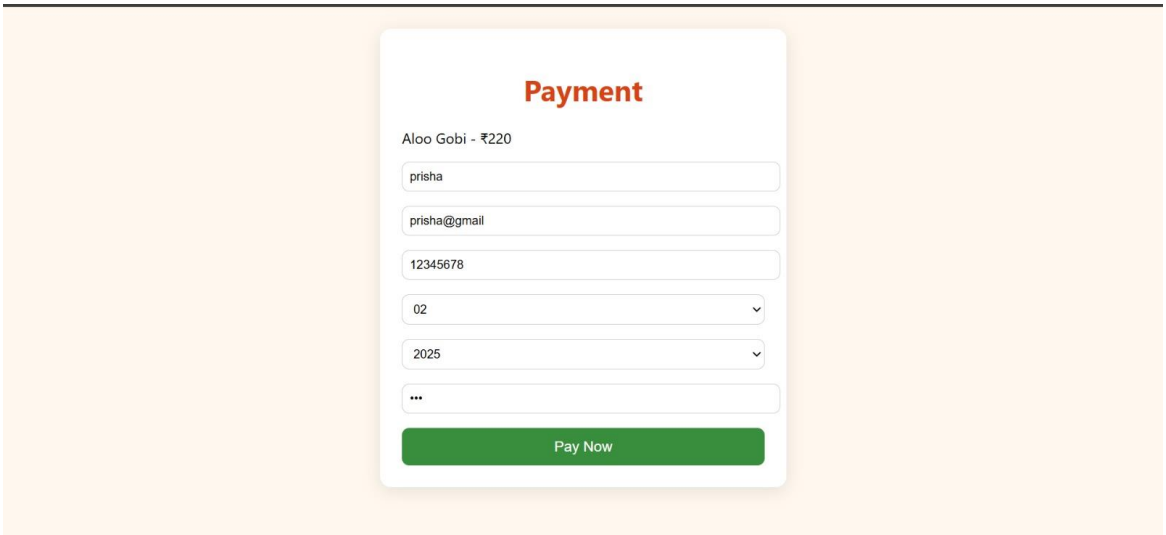
Card Number

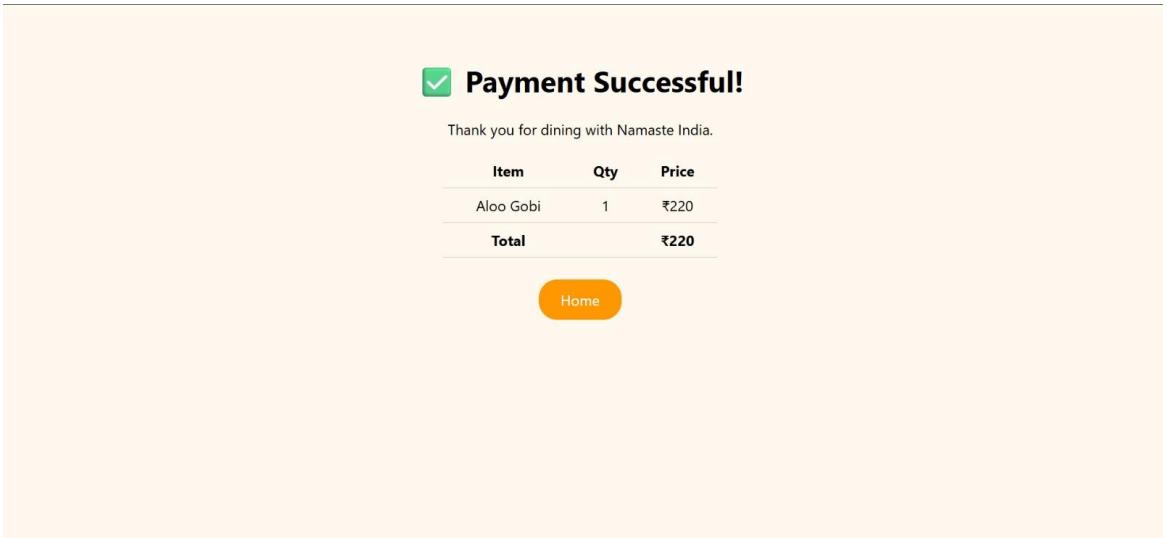
Expiry Month

2025

CVV

Pay Now





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