

# ASSIGNMENT 1

## INTRODUCTION TO WEB PROGRAMMING PROJECT

**Project Title:**

## FAST FOOD ORDERING WEBSITE

### INTRODUCTION

#### Group Members

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### OVERVIEW OF THE PROJECT

We decided to make a fast-food ordering website using HTML, CSS and JavaScript. The website includes a Home/Main Page, Menu pages and a Cart and delivering Address form page.

The Home/Main Page contains the restaurant's details, the button to access the menu and a cart icon to see what the user has ordered.

The Menu Page contains four categories to order from: > Burgers

> Pizzas

> Drinks

> Sides

These four lead to their respective own pages showing various items of that category to order from.

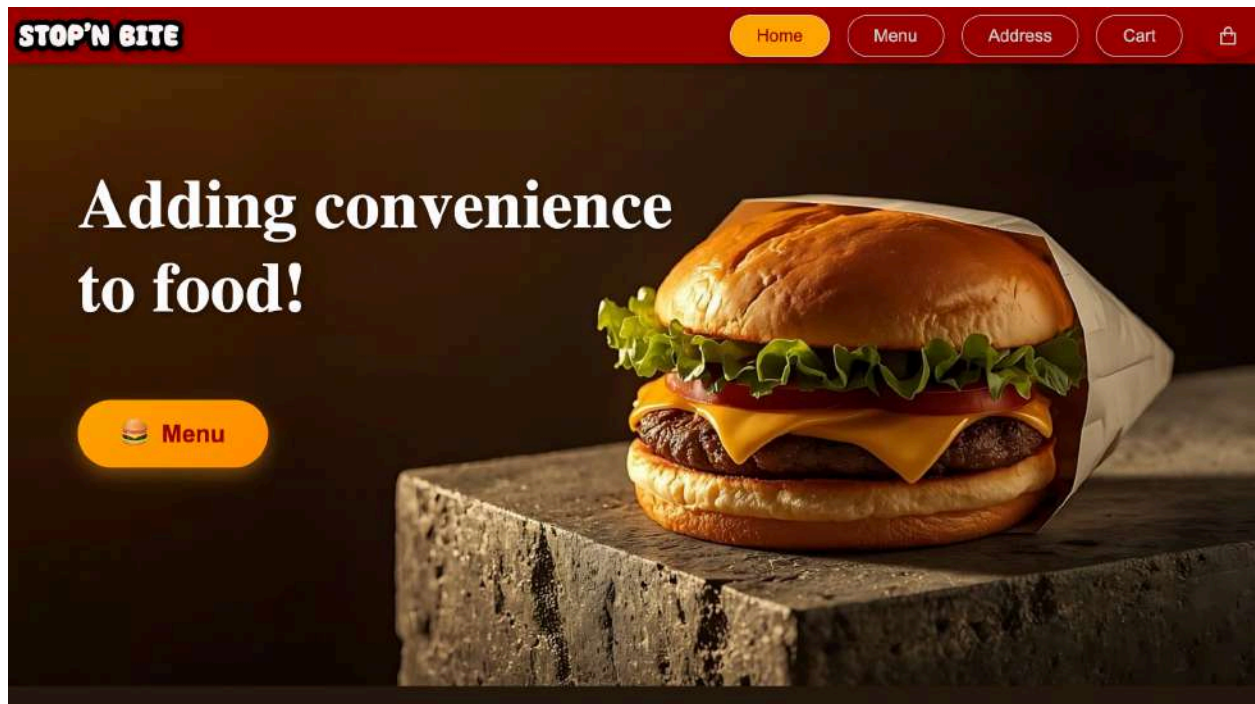
The Cart Page contains the list of items added to cart and a button to order it. It also contains an Address Form

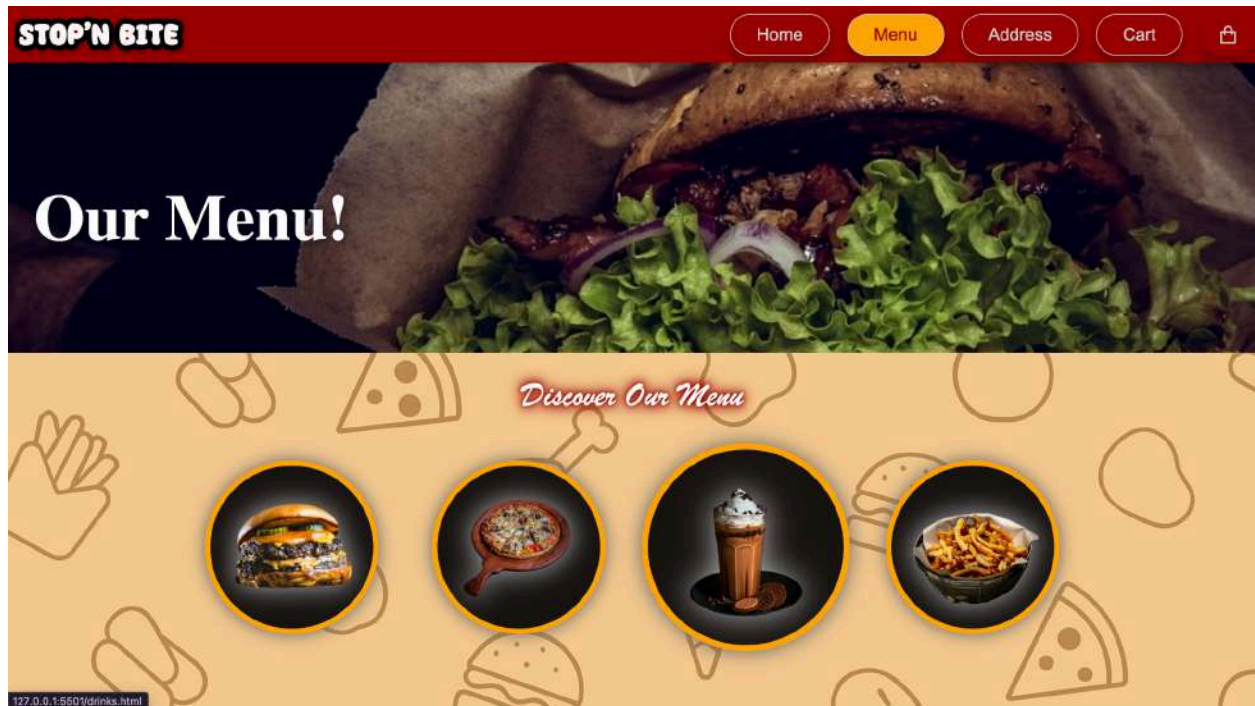
## THE WEBSITE

We made this website to implement whatever we have learnt from the class and hone our skills in Web Design and Development. The Website was made with reference to real websites and mimic how they function as backend programming is not included in this website. We were able to see how ordering sites were designed and now made our own and with our own color combinations. Hence the objectives of the project were:

- Provide a User-friendly online food ordering interface
- Use HTML, CSS and JavaScript skills
- Simulate an ordering site like a real one

### Home/Main Page





"Stop'n Bite" home page features a modern, appetizing design that effectively captures attention and drives user engagement. Here's what makes it work:

#### Visual Design:

- **Hero Section:** The page centers on a stunning, professional photograph of a cheeseburger on a rustic concrete surface against a warm brown gradient background, creating an inviting atmosphere
- **Color Scheme:** The design uses a bold red navigation bar (#C41E3A or similar) paired with warm orange/yellow accent buttons, creating strong visual contrast and appetite appeal
- **Typography:** Large, bold serif headlines ("Adding convenience to food!") command attention while maintaining readability

#### Layout Structure:

- Clean, single-section hero layout that focuses user attention on one clear message
- Minimal clutter with strategic whitespace around the burger image
- Call-to-action button prominently placed in the lower left with a burger emoji (🍔) for visual reinforcement

## Code Implementation

**HTML Structure:**

- Semantic HTML5 with proper document structure
- Navigation bar with logo and four main sections (Home, Menu, Address, Cart)
- Shopping bag icon using Remixicon library for consistent iconography
- Hero section containing the main headline and CTA button
- Proper linking structure that connects to other pages (menu.html, address.html, cart.html)

**Key Features:**

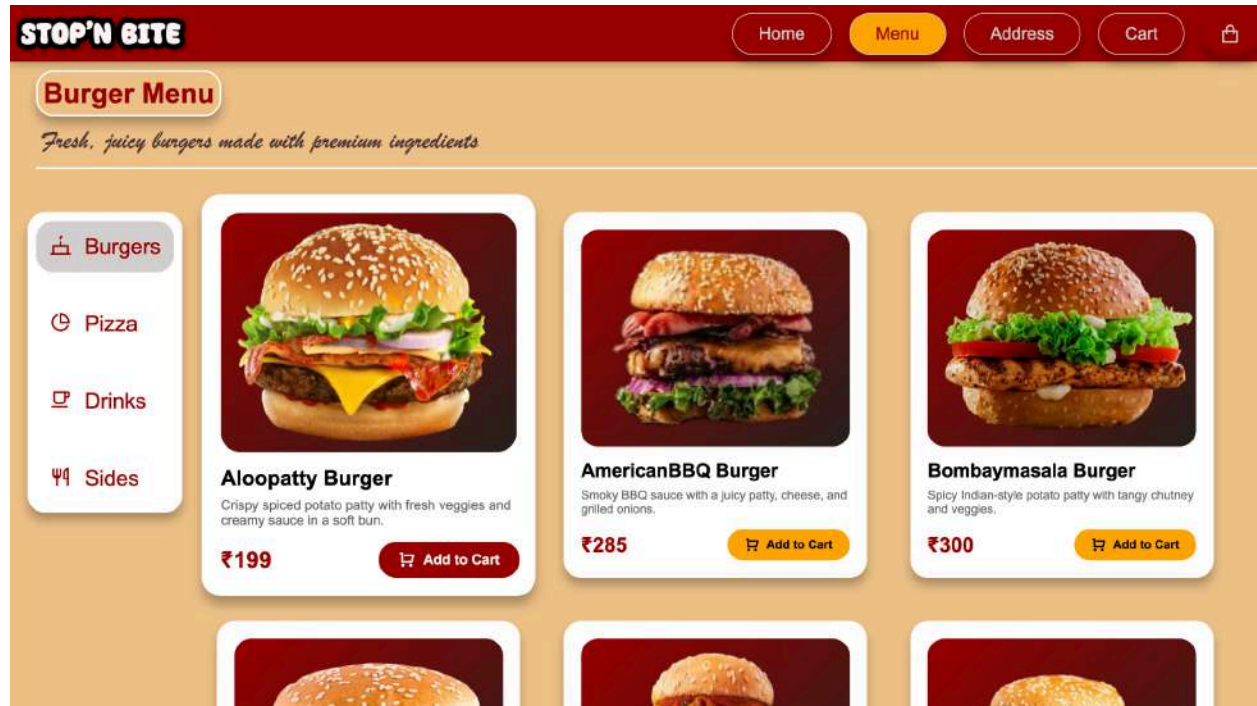
- Active state indicator on the "Home" navigation link
- Separate CSS files for modular styling (home.css, nav.css)
- Accessible button design with clear visual affordances
- Direct navigation flow pushing users toward the menu

**Functional Elements:**

- Menu button links directly to the product catalog
- Shopping cart icon provides quick access to checkout
- Responsive navigation structure with right-aligned links

This is a clean, professional implementation that balances aesthetic appeal with functionality, perfectly suited for a fast-food ordering website.

## Menu Page



### Visual Design:

- Warm Color Palette: Continues the beige background (#EEC187) from the home page, creating brand consistency while providing a neutral canvas for the vibrant burger photography
- Product Cards: White card-based layout with rounded corners (20px border-radius) and subtle shadows, creating depth and separation
- High-Quality Images: Each burger is photographed against a dramatic dark red gradient background, making the products pop and look appetizing
- Typography Hierarchy:
  - Bold "Burger Menu" title with white border and shadow
  - Elegant cursive subtitle in Brush Script MT font adding personality
  - Clear product names and descriptions with good contrast

### Layout Architecture:

- Two-Column Layout: Sidebar navigation on the left, product grid on the right
- Responsive Grid: Flexbox-based grid that wraps cards naturally (3 columns visible)

- Sticky Sidebar: Category navigation remains accessible while scrolling
- Card Hover Effects: Scale transform (1.1) on hover provides interactive feedback

## Code Implementation

### HTML Structure:

- - Navigation bar (consistent across pages)
- - Page header with title and subtitle
- - Main content wrapper containing:
  - - Left sidebar with category links (Burgers, Pizza, Drinks, Sides)
- Right product grid with 6 burger items

### Key Features:

1. Navigation System:
  - Active state indicator on "Menu" nav link and "Burgers" sidebar item
  - Icon-based category menu using Remixicon
  - Links to other category pages (pizza.html, drinks.html, sides.html)
2. Product Cards (6 burgers displayed):
  - Product image with gradient background
  - Product name and description
  - Price in Indian Rupees (₹)
  - "Add to Cart" button with shopping cart icon
  - onclick handlers calling addToCart() function with product ID and price
3. CSS Architecture:
  - CSS Custom Properties for color theming (--red, --yellow, --beige)
  - Flexbox for layout management
  - Smooth transitions on interactive elements
  - Box-shadow for depth and visual hierarchy

### Technical Highlights:

- Modular CSS with separate burger.css and nav.css files
- Inline styles used sparingly for specific customizations
- Proper semantic HTML structure
- Accessibility through clear visual affordances and hover states

#### Notable Issues to Address:

- All "Add to Cart" buttons call `addToCart('alooopathy', price)` - the first parameter should be unique for each burger (currently hardcoded to 'alooopathy')
- Missing JavaScript file for the `addToCart()` function
- Paneer Tikka Burger has incorrect price parameter (199 instead of 300)

User Experience: The page successfully combines visual appeal with functionality, offering clear product information, easy navigation between categories, and straightforward purchase options. The hover effects and button interactions provide satisfying feedback that encourages engagement.

## Address Form Page

The screenshot shows the 'Address' page of the 'STOP'N BITE' website. The header is dark red with the logo 'STOP'N BITE' on the left and navigation buttons 'Home', 'Menu', 'Address' (highlighted in yellow), and 'Cart' on the right. The main content area is a light orange color. A white frosted glass form with a thin white border is centered on the page. The form has a title 'Address' in a bold, dark font. Below the title, there are five input fields with labels in red: 'Name:' (text input), 'House no.:' (text input), 'City:' (text input), 'Pin code:' (text input), and 'State:' (dropdown menu). A yellow 'Submit' button is located at the bottom right of the form.

#### Visual Design:

- Frosted Glass Effect: The form uses a semi-transparent white background (`rgba(255, 255, 255, 0.3)`) with a white border, creating a modern frosted glass appearance over



the beige background

- **Elegant Typography:**
  - Large white "Address" legend with text shadow for depth and readability
  - Bold red labels (30px) that match the brand color scheme
  - Clear visual hierarchy between labels and inputs
- **Color Palette:** Continues the established brand colors (red: #990000, yellow: #FFA500, beige: #EEC187)
- **Soft Shadows:** Box shadows on the fieldset and submit button add depth without overwhelming the design

Layout Structure:

- **Centered Form Container:** Single-column form layout with generous padding (60px) inside the fieldset
- **Flexible Form Groups:** Each label-input pair uses flexbox for alignment
- **Progressive Input Sizing:** Different input fields have varied widths based on expected content length (e.g., name wider than house number)
- **Prominent CTA:** Orange submit button centered at the bottom with hover effects

## Code Implementation

HTML Structure:

- Navigation bar (consistent with other pages)
- Form container wrapping:
  - Fieldset with "Address" legend
  - 5 form groups (Name, House no., City, Pin code, State)
- Submit button

Form Fields:

1. **Name Input:**
  - Text input, 400px max width, 50px height
  - Required field with placeholder
2. **House Number:**
  - Text input, 200px max width, 40px height



- Smaller field appropriate for shorter input
- 3. City Input:
  - Text input, 400px max width, 45px height
  - Required field
- 4. Pin Code:
  - Text input with pattern validation [0-9]{6} (enforces 6-digit format)
  - 300px max width, 40px height
  - Good for Indian postal codes
- 5. State Dropdown:
  - Select element with 7 state options
  - 300px max width, 45px height
  - Custom styling to match form aesthetic
  - Note: Mix of states and cities in options (Surat, Rajkot are cities in Gujarat)

#### CSS Architecture:

1. Form Styling:
  - Semi-transparent backgrounds for modern look
  - Rounded corners (15px-25px) throughout
  - Consistent 2px white borders
2. Interactive States:
  - :focus state changes background to #eed1ab (darker beige)
  - Submit button scales to 1.05 on hover
  - Color transitions on button hover (orange → darker orange, red text → white)
3. Layout Techniques:
  - Flexbox for form group alignment
  - Varying input widths based on content type
  - 30px margin between form groups for breathing room
  - Body positioned 70px from top to account for fixed navbar

#### Accessibility & UX Features:

- All inputs marked as required
- Semantic HTML with proper labels (using for attributes)
- Clear placeholder text in all fields
- Pattern validation on pin code
- Cursor changes to pointer on interactive elements
- Visual feedback on focus and hover states

#### Technical Highlights:

- Modular CSS organization with separate add.css file
- CSS custom properties for consistent theming
- Smooth transitions (0.2s-0.3s) for interactive elements
- Responsive input sizing with max-width constraints

#### Potential Improvements:

- State dropdown mixes states and cities (Surat, Rajkot should not be in state list)
- Could add phone number or email fields for delivery contact
- Consider adding address line 2 for apartment/landmark details
- Form action/method attributes not specified (no backend handling visible)

User Experience: The form successfully balances aesthetics with functionality, providing a pleasant data entry experience with clear visual cues, appropriate field sizing, and satisfying interactive feedback. The frosted glass design creates a sophisticated look while maintaining excellent readability.