

# Develop an Online Shop for Food & Beverage Using HTML5 & CSS3

## 1. General Description of the Task:

### 1.1 Objectives:

- Understand and implement **HTML5 structure** for an e-commerce website.
- Use **CSS3 for styling and responsive design**.
- Implement **basic UI components**, including navigation bars, product listings, and a contact page.
- Ensure a mobile-friendly and **accessible** layout.
- **Bonus:** Deploy the website on **Heroku App** for live access.

### 1.2 Tools to be Used:

- **Code Editor:** VS Code, Sublime Text, or any preferred IDE.
  - **Browser for Testing:** Chrome, Firefox, or Edge.
  - **Icons & Fonts:** Google Fonts, Font Awesome.
  - **Image Assets:** Free images from Unsplash or Pexels.
  - **Deployment Platform:** Heroku App (Bonus Section)
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## 2. Page Structure & Navigation

The website will have four key pages:

1. **Home Page** (**index.html**) - Introduces the online shop with featured products.
2. **Product Listing** (**products.html**) - Displays available F&B products.
3. **About Us Page** (**about.html**) - Provides business information and mission.
4. **Contact Page** (**contact.html**) - Includes a contact form for user inquiries.

Each page should have:

- A **consistent header & navigation bar** for seamless navigation.
- A **footer** with social media links, contact details, and copyright.

Navigation Bar

- Located at the top of every page.
- Links to **Home, Products, About Us, and Contact**.

- Should use **CSS hover effects** and an **active page indicator**.

#### Footer

- Placed at the bottom of all pages.
  - Should contain:
    - Business contact information.
    - Social media links (icons).
    - Copyright notice.
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## 3. Requirements

### 3.1 HTML5 Page Structure

- **Requirement Name:** Create HTML5 Page Layouts
- **Details/Steps:**
  - Set up the basic structure with `<!DOCTYPE html>` declaration.
  - Create `index.html` (Homepage).
  - Create `products.html` (Product Listing Page).
  - Create `about.html` (About Us Page).
  - Create `contact.html` (Contact Page with a form).
  - Implement semantic HTML elements (`<header>`, `<nav>`, `<section>`, `<footer>`).
- **Deliverable:** Well-structured HTML pages with correct semantic elements.

## 3.2 CSS3 Styling

- **Requirement Name:** Apply CSS3 for Styling and Layout
- **Details/Steps:**
  - Design a **responsive layout** using CSS Grid or Flexbox.
  - Use **media queries** to make the site mobile-friendly.
  - Apply **color schemes and typography** suited for an F&B shop.
  - Style buttons, input fields, and other UI components.
- **Deliverable:** `style.css` file with a structured and maintainable stylesheet.

## 3.3 Navigation Bar & Footer

- **Requirement Name:** Design and Implement Navigation & Footer
- **Details/Steps:**
  - Create a **fixed/sticky navigation bar** with links to all pages.
  - Ensure **hover effects and active state indicators**.
  - Footer must include **contact information, social media links, and copyright**.
- **Deliverable:** A reusable navigation bar and footer across all pages.

## 3.4 Product Listing Page

- **Requirement Name:** Develop a Grid-Based Product Showcase
- **Details/Steps:**
  - Use a **grid layout** to display products in a neat format.
  - Each product should have an **image, name, price, and "Add to Cart" button**.
  - Implement **hover effects** to highlight products.
- **Deliverable:** `products.html` with a structured product listing.

## 3.5 Contact Form

- **Requirement Name:** Create a Functional Contact Form
- **Details/Steps:**
  - Include **Name, Email, Message fields, and a Submit button**.
  - Use **HTML5 form validation** for required fields.
  - Style the form with CSS for a clean, user-friendly experience.
- **Deliverable:** A functional and styled contact form.

## 3.6 Responsive Design

- **Requirement Name:** Make the Website Mobile-Friendly
  - **Details/Steps:**
    - Use **media queries** to adjust layout for different screen sizes.
    - Ensure buttons and links are **touch-friendly**.
    - Optimize **font sizes and image scaling** for small devices.
  - **Deliverable:** A fully responsive design that adapts to mobile and desktop screens.
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## 4. Final Deliverables

- ✓ **HTML Pages:** `index.html`, `products.html`, `about.html`, `contact.html`
  - ✓ **CSS File:** `style.css` with all styling and responsive design
  - ✓ **Assets Folder:** Images, logos, and any necessary resources
  - ✓ **Functional Navigation Bar & Footer**
  - ✓ **Styled Contact Form**
  - ✓ **Mobile-Optimized Layout**
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## 5. File Structure

```
/fnb-shop
|— /assets
|   |— /images
|   |— /icons
|— /css
|   |— style.css
|— index.html
|— products.html
|— about.html
|— contact.html
```

## 6. Bonus: Deploy on Heroku

Host the Website on Heroku App: <https://www.heroku.com/>

- **Details/Steps:**
  1. Sign up/Login to **Heroku** App.
  2. Upload project files (`index.html`, `css/`, `assets/`).
  3. Configure settings for hosting (domain, metadata).
  4. Preview and test on different devices.
  5. Publish and share the live URL.
- **Deliverable:** A publicly accessible website hosted on **Heroku** App.

## 7. Sample UI:

<https://joyful-navigators.lovable.app/>