

■■ Yousaf Shop Project - Full Explanation (Beginner-Friendly)

Overview:

This is a basic frontend e-commerce project using HTML, Tailwind CSS, and JavaScript.

It lets users view products, filter by category, switch currency, add to cart, and checkout.

■ 1. index.html (Home Page):

- Navbar with links: Home, Contact, Cart, Checkout, Currency selector.
- Hero Section: Welcome message.
- Category Filter: Dropdown to filter products.
- Product List: Products dynamically loaded using script.js.
- Modal: Shows product detail when clicked.
- Footer: Copyright notice.

■ script.js (Home Logic):

- Fetches products from fakestoreapi.com.
- Displays them dynamically.
- Adds to cart using localStorage.
- Filters by category.
- Converts prices to selected currency.
- Opens product modal with details.

■ 2. cart.html (Cart Page):

- Displays all added products.
- Allows quantity changes or removal.

- Currency dropdown to convert total.
- Proceed to Checkout button.

■ cart.js (Cart Logic):

- Reads cart from localStorage.
- Displays each item with quantity and price.
- Updates total with selected currency.
- Uses exchange rate API for conversion.

■ 3. checkout.html (Checkout Page):

- Form: Name, Email, Address, Submit.
- Shows confirmation after successful order.

■ checkout.js (Checkout Logic):

- Validates form inputs.
- Shows errors if invalid.
- Clears cart and form on success.
- Shows success message.

■ 4. contact.html (Contact Page):

- Form: Name, Email, Message.
- Validates inputs.
- Shows simulated success message.

■ Tailwind CSS Classes Explained:

- sm:text-base: On small and larger screens, set base text size.

- inset-0: Stretch element to cover full screen.
- overflow-y-auto: Enable vertical scroll if needed.

■ Summary:

An online shop with filtering, currency conversion, cart management, form validation, and responsive design. A great beginner frontend project using modern tools.