

Coding Assessment

Time Taken: 1hr

Create a complete product page that includes the following features commonly found in Shopify themes. The page should be **fully responsive**, cleanly coded, and mimic a real Shopify storefront layout.

✓ 1. Scrollable Product Images Gallery

- A main image area with a set of **thumbnails on the side or below**.
- Clicking a thumbnail updates the main image.
- Scrollable thumbnails if more than 4–5 images.

✓ 2. Size Chart Button with Modal

- A **"Size Chart"** button near size options.
- Clicking opens a **modal popup** showing a sample size chart table.
- Modal must be dismissible and accessible (close button + ESC key + overlay click).

✓ 3. Product Variants

- **Colour variations** displayed as swatches or buttons.
- **Size variations** in a dropdown or buttons.
- Selecting a colour/size updates a visible product state (e.g., image or label).

✓ 4. Compare Colours Button

- Clicking “Compare Colours” should open a small popup or modal showing swatches side-by-side.
- Allow user to “select” two or more colours to visually compare.

✓ 5. Pair Well With (Complementary Products)

- A horizontal scrollable row with 3–5 “pair well with” products (image, title, price, add to cart).
- Mimic an actual recommendation carousel or product card row.

✓ 6. Product Bundle Suggestion

- Show a static product bundle below the main product (e.g., “Buy these together”).
- Include individual prices and **a combined total price**.
- Include a single “Add Bundle to Cart” button.

✓ 7. Tabs for Product Info

- Create three tabs:
 - **Description**
 - **Product Information**
 - **Shipping Details**
- Tabs should toggle content visibility (pure JavaScript).

✓ 8. Related Products Section

- Grid of 4 related product cards.
- Include image, product name, price, and optional badge (e.g., “New”, “Popular”).

📖 Technical Requirements

- Use **vanilla HTML, CSS, and JavaScript only**
- No external libraries or Shopify Liquid (for now)
- Code must be modular, **well-commented**, and **responsive**
- Use placeholder data (dummy images, product names, prices, etc.)
- Mobile, tablet, and desktop support required

📖 Bonus (Optional)

- Add **image zoom on hover** for the main product image.
- Persist selected colour or size using **localStorage**.
- Add micro-interactions (transitions, hover effects, tab animation).

Deliverables

- Submit as a **GitHub repository** or **ZIP folder**
- Include a **README.md** with:
 - Overview
 - Features implemented
 - How to run locally
- Folder structure must be clear (**index.html**, **css/**, **js/**, **assets/**)