Test Case 1: Verify Product Filtering by Multiple Attributes Simultaneously

- **Test Case ID**: TC001
- **Title**: Verify filtering products by colour, size, and price range simultaneously
- **Description**: Validate that users can filter products by selecting multiple filter attributes (e.g., Colour = Red, Size = M, Price Range = $50–$100) and the product list updates accordingly with matching results.
- **Preconditions**:
  - User is on the **Women > Tops** category page.

Test Steps:

1. Navigate to **Women > Tops** category page.
2. Select **Red** colour filter.
3. Select **Size M** filter.
4. Select **Price Range $50–$100** filter.
5. Observe the filtered product list.

Expected Result:

- Only products matching **all selected filters** (Red, Size M, Price $50–$100) are displayed.
- Product count is accurate and matches the filtered criteria.
- **Priority**: High
- **Notes**: Ensure appropriate messaging is shown when no products match.

Test Case 2: Verify Guest User Wishlist Creation and Persistence After Login

- **Test Case ID**: TC002
- **Title**: Verify that guest users can add products to Wishlist and the Wishlist persists after login
- **Description**: Verify that a guest user can add products to the Wishlist and, after logging in or registering, the Wishlist items persist and are available.
- **Preconditions**:
  - User is not logged in and is browsing product pages.

Test Steps:

1. Visit any product page as a **guest user**.
2. Click **Add to Wishlist**.
3. Complete login or registration when prompted.
4. Navigate to the **Wishlist** page.

Expected Result:

- Product added to Wishlist before login is retained after login.
- Wishlist displays the previously added products.
- **Priority**: Medium
- **Notes**: Test both login and new user registration flows.

Test Case 3: Verify Cart Persistence Across Devices When Logged In

- **Test Case ID**: TC003
- **Title**: Validate cart item persistence when user logs in from a different device or browser
- **Description**: Ensure that a logged-in user's cart remains intact when accessing it from a different device or browser.
- **Preconditions**:
    - User has a valid account
    - User is logged in and has added product(s) to the cart

Test Steps:

1. Log in on **Device A** (e.g., desktop browser).
2. Add **2–3 products** to the cart.
3. Log in on **Device B** (e.g., mobile browser) using the same account.
4. Navigate to the **Cart** page.

Expected Result:

- Cart on Device B displays the same items added from Device A.
- Product quantities and selections are preserved.
- Total price is accurately reflected.
- **Priority**: High
- **Notes**: Important feature for users who shop across multiple devices.

Test Case 4: Verify Broken Image Handling on Product Listing Page

- **Test Case ID**: TC004
- **Title**: Check for broken product images and fallback behaviour
- **Description**: Ensure that if a product image fails to load, a default/fallback image is displayed, and the layout is not broken.
- **Preconditions**:
    - Product listing contains at least one product with an intentionally broken or missing image URL.

Test Steps:

1. Navigate to any product listing page (e.g., **Women > Jackets**).
2. Simulate a broken image using browser dev tools or dummy product data.
3. Observe layout and behaviour.

Expected Result:

- Broken product image is replaced by a **default/fallback image**.
- No layout shifts or blank spaces.
- Page remains usable and visually intact.
- **Priority**: Low to Medium
- **Notes**: Prevents silent frontend failures and maintains trust.

Test Case 5: Verify Multi-currency Price Display Consistency Across Categories

- **Test Case ID**: TC005
- **Title**: Verify prices are correctly displayed in selected currency across categories and product pages
- **Description**: Ensure that switching currency (e.g., USD → EUR) updates all prices across category pages, product detail pages, and the cart.
- **Preconditions**:
    - User is on the homepage with a currency switcher enabled

Test Steps:

1. Change currency from **USD to EUR** using the currency switcher.
2. Navigate to multiple categories (e.g., **Men > Shoes**, **Women > Tops**).
3. Open various **product detail pages**.
4. Add a product to the cart and view the **Cart**.

Expected Result:

- All product prices and cart totals display in the **selected currency**.
- Conversion rates are consistent, and formatting is correct.
- No mix of currencies on any page.
- **Priority**: Medium
- **Notes**: Also verify currency symbols and rounding.