

C4 Nexus

Junior Developer Technical Task

Candidate Name:

Submission Date:

Repository Link:

Product Listing Page

Summary

Develop a Product Listing Page (PLP) like what you would see in a standard e-commerce store. The PLP should display a collection of products that appear after a user selects a specific category, showing all items assigned to that category.

The objective is to present customers with a clear, structured list of products including key information such as product name, thumbnail image, price, and other essential details, enabling them to easily compare options and make informed purchasing decisions.

The task should focus solely on the front-end implementation; hosting the application on a server is not required. For demonstration purposes, you may use a sample data structure of your choice (e.g., JSON).

Requirements

General Requirements

1. Front-End Focus Only

- The task should focus entirely on the front-end implementation.
- There is no need to host or deploy the application on a server.
- You may use any data structure (e.g., JSON) to define sample data.
- The sample data can include products of your choice.

2. Demonstrable Features

- The sample data must be structured in a way that allows all required features (listed separately) to be clearly demonstrated.

3. Technology Stack

- There are no restrictions on the core web technologies used.
- You may use any JavaScript library or framework (e.g., React.js).
- You may also use CSS frameworks such as Bootstrap, if desired.

- However, you must not use pre-built HTML templates, e-commerce modules, or full e-commerce frameworks/platforms.
 - The purpose of the task is to demonstrate your proficiency in JavaScript, HTML, and CSS.
 - 4. **Responsiveness**
 - The page must be fully responsive.
 - It should function and display properly on both desktop and mobile devices.
 - 5. **Version Control**
 - The code must be committed to GitHub.
 - A repository link should be shared upon completion.
 - 6. **Written Summary**
 - In addition to the code, provide a written summary explaining:
 - What has been implemented
 - Which technologies were used
 - How the solution was achieved
 - Any challenges encountered during development
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Required Sections and Functionalities

1. **Header with Navigation Menu**
 - The header should include:
 - **Logo**
 - **Navigation menu** with at least two categories (e.g., *Bags*, *Shoes*).
 - Clicking on a category should load a different set of products related to that category.
 - Example:
 - *Bags* → Displays a PLP with bag products.
 - *Shoes* → Displays a PLP with shoe products.
 - The first category should be loaded by default when the page is opened.
 - The header must be **sticky**, meaning it remains visible while the user scrolls.
2. **Product Counter**
 - A small section displaying the number of products currently shown in the grid.
 - Format example: **“x out of y products displayed.”**
3. **Product Grid**
 - A grid layout containing product tiles.
 - The number of products per row can be defined by the developer.
 - On initial load:
 - The grid must not exceed **5 rows**.
 - Additional products should be revealed via the **Load More** button (see below).
 - **Each product title must include:**
 - Product image
 - Product name

- Short description
- Price (some products must include a discounted price)
- Star rating display
- **Add to Cart** button
 - On click, display a success alert (e.g., “*Product added to cart*”).

4. Filtering Mechanism

- Must allow filtering based on at least **two attributes** (e.g., color and price).
- The filter section should be positioned on the **left side** of the product grid.
- The implementation method is flexible:
 - Checkboxes
 - Sliders
 - Color swatches
 - Or other suitable UI components.

5. Sorting Mechanism

- A sorting dropdown positioned above the product grid.
- Must support multiple sorting options:
 - Alphabetical (A–Z)
 - Alphabetical (Z–A)
 - Price (Low to High)
 - Price (High to Low)

6. Category Title and Description

- A section displaying:
 - Category name (as a prominent heading)
 - A short description of the category.

7. Load More Functionality

- A **Load More** button that loads an additional “page” of products when clicked.
- Example:
 - If the grid initially shows 5 rows × 4 products (20 products),
 - Clicking *Load More* should display 20 additional products.
- The button should remain active until all available products are displayed.

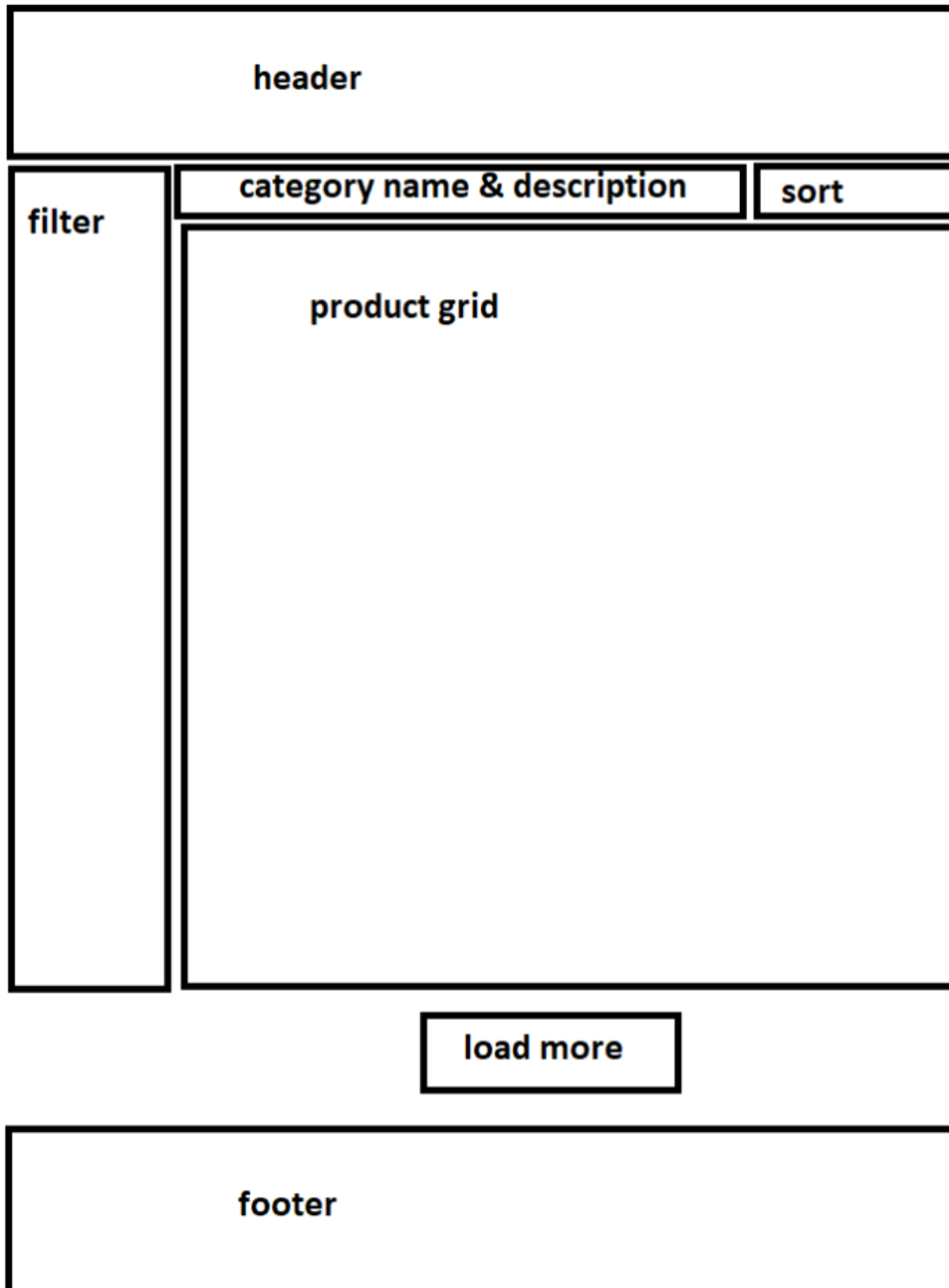
8. Footer

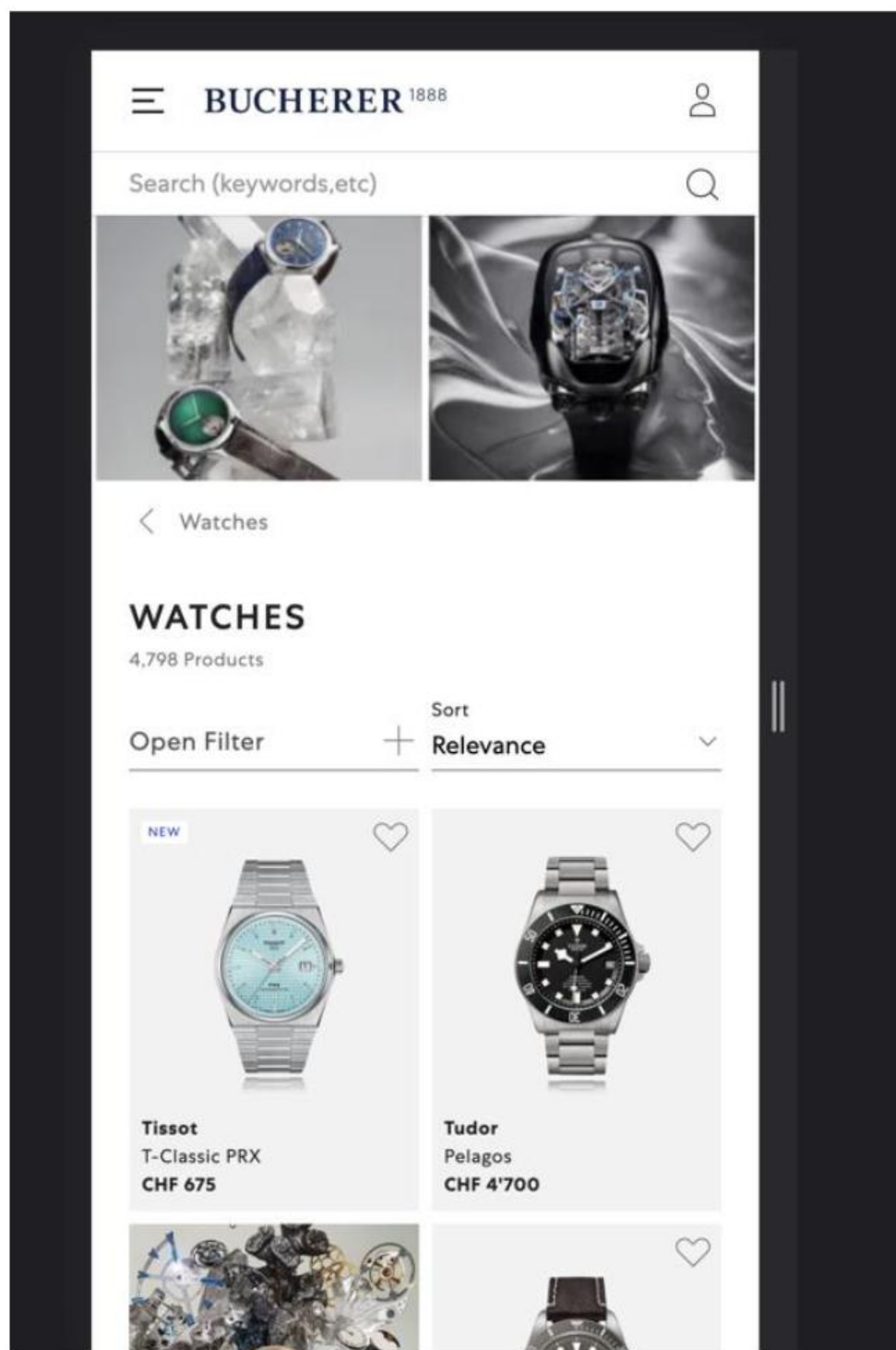
- A static footer section containing useful links such as:
 - Terms & Conditions
 - Privacy Policy
 - Contact Us

Design Reference

Suggested desktop and mobile page structures are provided in the **References** section. You are not required to strictly follow these wireframes; they serve only as guidance.

References





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FILTER

Brand

Collection

Price

Dial Color

Shape

Target Group

Material

Strap Material

Diameter

Movement

Special

SHOW RESULTS (4,798)

Reset