**UI Requirements to build Product Listing Page**

**Objective:**

Build a webpage with the features while ensuring the accessibility, performance and adherence to the best practices.

**Design:**

Mobile: <https://xd.adobe.com/view/100c6ccd-becb-4e31-87cb-2daccd6969bb-455f/screen/099cf914-3bc0-48e5-9b25-5fe9ba5c34a2/>

Desktop: <https://xd.adobe.com/view/a86e4a6b-737b-43e3-ad55-58436da1ca3c-fd3d/screen/7ae58188-28ad-48e3-a81c-4474da5a6055/>

**API:**

The UI should fetch and display a list of products from the provided API endpoint <https://fakestoreapi.com/products>.

Each product should include relevant information such as name, image, price, and brief description.

**Responsive Design:**

The UI should be responsive, ensuring a seamless experience across various devices and screen sizes.

Breakpoints:

Mobile - 320px

Tablet - 768px

Desktop Small - 1024px

Desktop Medium - 1280px

Desktop Large - 1440px

Desktop X-Large - 1920px

**Tech Stack:**

HTML5, CSS3 and JavaScript / ES6

No Framework to be used.

**Filtering and Sorting:**

Users should be able to filter products based on different criteria (e.g., category, price range, availability).

Sorting options (e.g., by price) should be available to organize the displayed products.

**Lazy Loading:**

Implement lazy loading to fetch more products from the fetched data by clicking the "Load More" button. Load 10 items in the beginning and load the rest while clicking the on Load More.

**Search Functionality:**

Include a search bar allowing users to search for specific products by name or keyword.

**Error Handling:**

Implement robust error handling to gracefully manage scenarios like API errors, network issues, or data fetching failures.

**Loading States:**

Provide loading indicators like shimmer when the application is fetching data from the API.

**Submission guidelines:**

1. Use codesandbox template and fork <https://codesandbox.io/p/sandbox/plp-y64f4q?file=%2Fsrc%2Findex.html> and share the project link.
2. Use stackblitz template and fork <https://stackblitz.com/edit/vitejs-vite-tywftg?file=index.html> and share the project link.
3. Use Git repo and publish the GitHub Pages for review.