Product List

In this exercise, you will need to create a WEB application that displays various information about specific products accessed through a REST API. You can review the documentation at the following address:

https://fakestoreapi.com/products

When opening the application, the user will see a "Visit Store" button, centered on the page.

- **0.5 points**: The user selects a background that matches the theme of the application.

- **0.5 points**: The user presses the button, and a 2-second loading animation appears on the screen.

- **0.5 points**: After 2 seconds, the products will be displayed on the page as a list.

- **1 point**: Each product category is represented by a suggestive image. The product categories are "men's clothing," "women's clothing," "electronics," and "jewelry." Below each image is a button labeled "Filter…" followed by the category name. When clicked, the list will be filtered based on the selected category. Implementing this feature requires four cards with images for each category, with the category name displayed above each image. The filtered product list appears below these four cards.

Scoring for this point includes partial credits:

- Missing images: -1 point

- Improper page layout: -1 point

- **3 points**: The user can search the product list by product ID using the format https://fakestoreapi.com/products/PRODUCT_ID. The product ID is entered through a text box. The search occurs when the text box loses focus (blur event). If the ID is below 0 or above 20, the text box will turn red, and a message under the box will indicate that the ID is invalid. If the ID is valid, the box turns green, and the product's name and price (title and price attributes from the API object) are displayed below.

Scoring for this point includes partial credits:

- Missing text box color change: -0.5 points

- Missing data validation: -1 point

- **2.5 points**: User-friendly and easy-to-use interface