AccuvanTech Frontend Developer Assignment Documentation

Objective

Develop a modal form for creating and editing products, a table to display the product list, and a delete confirmation modal. Ensure all components function as specified and match the provided UI design.

Task Details

1. **Product Modal Form**
   - **Fields**:
     - Product Name: Text input (required)
     - Product Description: Text input

     Product Category: Dropdown (hard-coded options)

- **Options**:
  - Electronics
  - Clothing
  - Books
  - Home & Kitchen
  - Sports & Outdoors
  - Health & Personal Care
  - Toys & Games
  - Automotive
  - Beauty & Grooming
  - Office Supplies

    -
    - Availability: Toggle button (In Stock/Out Stock)
    - Price: Number input
    - Quantity: Number input
    - Attributes: Key-value pair inputs with dynamic addition and deletion

2. **Product List Table**
   - **Columns**: Product ID, Product Name, Category, Availability, Price, Quantity, Edit/Delete
   - **Features**:
     - Pagination controls
     - Edit button: Opens modal for editing
     - Delete button: Opens confirmation modal
3. **Edit Product**
   - Clicking the pencil icon opens the modal for editing.
4. **Delete Product**
   - Clicking the trash icon opens a confirmation modal.

API Endpoints

Base URL: `https://ops.cloud.leadtorev.com`

1. **Create Product**
    URL: `POST /product-catalog/create`
    Description: Add a new product
    Sample JSON:
    ```
    {
      "name": "Wireless Earbuds",
      "description": "High-quality wireless earbuds with noise cancellation.",
      "price": 89.99,
      "categories": ["Audio", "Electronics"],
      "attributes": [
        {
          "key": "batteryLife",
          "value": "8 hours"
        },
        {
          "key": "color",
          "value": "Black"
        },
        {
          "key": "waterResistance",
          "value": "IPX7"
        }
      ],
      "availability": {
        "inStock": true,
        "quantity": 150
      }
    }
    ```
2. **Update Product**
    o **URL**: `PUT /product-catalog/update`
    o **Description**: Update an existing product
3. **Get Product by ID**
    o **URL**: `GET /product-catalog/get/by-id`
    o **Description**: Get a product by its ID
4. **Get All Products**
    o **URL**: `GET /product-catalog/get/all`
    o **Description**: Get a list of all products
5. **Delete Product by ID**
    o **URL**: `DELETE /product-catalog/delete`
    o **Description**: Delete a product by its ID