

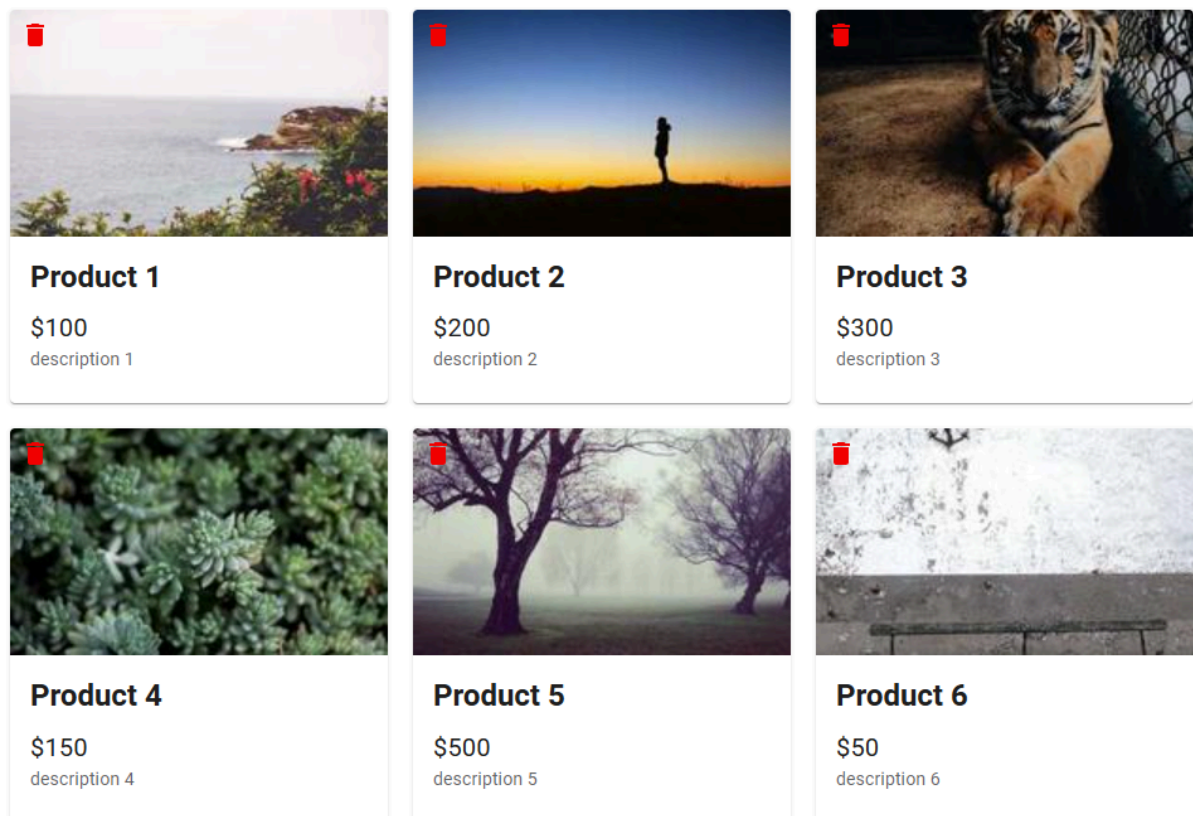
# Assignment Requirements: Simple Card List Application

## Overview:

Develop a simple web application that displays a list of products in card format. Users should be able to view product cards and delete cards.

## Sample Completed Project:

### Simple Card List



## Tech Stack:

- **Frontend:** React, Material UI, Axios
- **Backend:** Node.js, Express.js

[The Starter Code is provided for your reference, and the assignment should be completed in 1 - 2 hours maximum.](#)

## Functional Requirements (60 points):

### 1. Frontend Product List Display (30 points):

- The frontend should fetch a list of products from the backend and display them in a card format using the material ui card component. (10 points)
- Each card should include: (10 points)
  - Product name
  - Product description
  - Product price
  - Product image
- Each card should have a delete icon button for product removal from the list, and when the button is clicked, the card should be removed from the frontend. (10 points)

### 2. Backend Get / Delete Product (30 points):

- The products are fetched from the backend using api. (15 points)
- When a product is deleted, it should be removed from the backend data. (15 points)

## Additional Requirements (40 points):

### 1. Frontend (30 points):

- Ensure the frontend is responsive, with product cards wrapping appropriately when there isn't enough space. (10 points)
- The container holding cards should be always centered on the screen. (10 points)
- Ensure that product information persists and is fetched from the backend upon page refresh, avoiding hard-coded data in the frontend. (10 points)

### 2. Backend (10 points):

- Implement proper CORS handling to facilitate seamless communication between the frontend and backend. (10 points)

## Backend Endpoints Information:

1. **GET /api/products:**
  - Fetch the list of products.
  - Each product should include a randomly fetched image URL.
2. **DELETE /api/products/:id**
  - Delete a product by its ID.

***Happy Coding!***