Question:

Create a Django project named product_management_system, where the admin can manage **categories** and **products**. Users can view products and their details. Implement **CRUD operations** on products and categories.

Project Setup:

- **Project Name**: product_management_system
- **App Name**: product_app
- **Models**: CategoryModel, ProductModel

Models:

1. CategoryModel:

Used to store product categories.

Fields:

- name
- description
- created_at

2. ProductModel:

Used to store product information.

Fields:

- name
- description
- category
- price
- stock_quantity
- created_at

Templates and Navigation:

Create a master layout using **HTML and CSS** with the following pages/links:

• Home:

Display all products as cards, showing:

- name
- category name
- price
- stock_quantity

• Category List:

Show all categories and provide **CRUD operations** (Add, Edit, Delete).

• Product List:

Display all products in a table with fields:

Include **Edit and Delete** buttons for each product.

- name
- category
- price
- stock quantity