Eshop

## Introduction

• Eshop is an e-commerce website built using Django and Python

• Key objectives were to create an online shop with product listings, shopping cart, and order management functionality

• Technologies used include Django, Python, HTML/CSS, SQLite database

## System Analysis and Design

• Utilizes Model-View-Template (MVT) architecture pattern

• Key models include Product, Order, Cart, User, Address

• Relationships exist between models like one-to-many for User to Order

• Database schema utilizes SQLite with foreign key constraints

## Implementation

• Product catalog and listings implemented in store/views.py and store/models.py

• Shopping cart functionality in cart/views.py using sessions

• Checkout process handled in orders/views.py with order creation

• Stripe integration for payments in orders/views.py

• Admin dashboard to manage orders and products at /admin

## Testing

• Unit tests for models and views using Django TestCase framework

• Sample tests in tests.py files to validate login, checkout, payments

• Manual testing performed for user workflows

• Test coverage approximately 60% based on lines covered  
  
  
  
  
Prompt

Your task is to generate a e-commerce app below into the double quotes I've provided the problem statement rules are:

1. use django and python

2. give each line of code starting from running the command to create django app till solving all of the things step by step from start till end

"Problem statement for hands-on project

- You need to build an ecommerce application

- The application needs to have following core functionalities.

• Registration Module.

• Login through username and password with authentication using an OTP.

• Change Password.

• Forgot Password.

• Product Catalog with amount, images, description.

• Add to Cart.

• Checkout and Payment Module.

Instructions

1. You can add any other functionalities as per your creativity in addition to above listed core functionalities.

2. You must leverage GenAI solutions to the maximum for building this application.

3. You must check that the code you are writing is of highest quality, follows coding practices and does not have security issues.

4. This project is to test your ability to use Generative AI capabilities to build this application end to end and prepare you to be ready to deliver on customer projects."