Design And Development Report

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Render deployment URL: https://myecommerce-kvcn.onrender.com/

INTRODUCTION

Building a database-driven web application with Django has been a great experience. The ecommerce web application built with Django is a web application designed for online shopping. It is built to give users an easy and efficient platform to shop online.

DESIGN

This web application was designed with an intuitive user-friendly interface for ease of usage. The web application is built to display items and products and displayed in an easy to navigate manner. Users can view products, add products to the cart, checkout, and make payment for items selected.

The backend is developed to manage user authentication, product selections and order processing. In addition, there is also an admin user, built with superuser feature in Django. There is also payment processing and shipping built with Django. Products are managed through an admin dashboard, where the admin can add, update, and delete products.

DEVELOPMENT
This web application is developed with Django, and hosted on the cloud with the URL https://myecommerce-kvcn.onrender.com/. The front end is built with HTML, JavaScript and is built to mobile users. The backend is developed with Python using Django MVC architecture. There was also open data which was used to get products.

SECURITY
This web has user authentication done with Djangos built in authentication system. This provides secure password hashing and CSRF protection.

CONCLUSION
A contemporary and safe platform for online purchasing and selling, Django's ecommerce web application. It is made to offer customers an easy-to-use interface and a smooth buying experience. This application is scalable and may be tailored to match the unique requirements of enterprises.