

CommerCast E-Commerce Website – Project Details

Project Overview:

Built a full-featured shopping website using Django and Python, supporting product browsing, detailed product views, category filtering, and shopping cart functionality.

Authentication:

Implemented user authentication with secure registration, login, logout, and profile update features, enabling users to manage their data and purchases.

Product Management:

Designed and integrated models for products, categories, and user profiles with the Django ORM for robust data management.

Cart and Checkout:

Enabled users to add items to a cart, update quantities, and proceed to checkout, simulating real-world e-commerce experiences.

User Experience:

Used Bootstrap (or another CSS framework) to create a clean, responsive, and user-friendly front-end.

Backend Logic:

Utilized Django's MVC (Model-View-Controller) pattern for clear separation of concerns and scalable development.

Technologies Used:

Python, Django, HTML, CSS (Bootstrap)

SQLite for the development database

Git for version control and GitHub for code sharing

Highlights/Impact:

Showcases ability to build and deploy a real-world web application from scratch

Practiced solving common web development problems such as user state, form validation, and secure data handling

Demonstrated strong frontend/backend integration, code organization, and attention to user experience