

# BuyHive - E-Commerce Project

## A Full-Stack E-Commerce Web Application

### Introduction

BuyHive is a Django-based e-commerce platform designed to provide a seamless shopping experience. It includes features such as product management, categories, shopping cart, checkout system, and user authentication.

### Tech Stack

Backend	Python (Django)
Frontend	HTML, CSS, Bootstrap, JavaScript
Database	SQLite (can be extended to PostgreSQL/MySQL)
Tools	Django Admin, Git, VS Code

## Key Features

- ✓ User Authentication (Login/Register)
- ✓ Product Listings with Categories
- ✓ Shopping Cart (Add, Remove, Update Items)
- ✓ Checkout with Total Calculation
- ✓ Stock Management via Django Admin
- ✓ Responsive UI with modern design
- ✓ Price Filtering & Product Search

## Workflow

- 1■■ User registers/logs in.
- 2■■ Explores products by category.

3■■■ Adds products to shopping cart.

4■■■ Adjusts quantity or removes items.

5■■■ Proceeds to checkout.

6■■■ Stock is updated after purchase.

## Conclusion

BuyHive demonstrates end-to-end full-stack development with Django, covering backend logic, database integration, and a responsive frontend. It is scalable, customizable, and can be extended with advanced features such as payment gateway integration, order tracking, and user reviews.