MyShop Django E-commerce Project

Description

MyShop is a fully functional e-commerce website built with Django 5. It allows users to browse products, add items to the cart, save products, leave reviews, and complete payments via Stripe. The project supports user authentication, order history, and responsive design.

Features

- User registration, login, and logout
- Product browsing by category and search
- Product detail and quick view
- Save products for later
- Cart management (add, remove, increase/decrease quantity)
- Checkout with Stripe payments
- Order history
- Product reviews with rating system
- Responsive UI

Tech Stack

- Python 3.x
- Django 5.2.3
- MySQL (via PyMySQL)
- Stripe API
- Bootstrap for frontend styling

Installation & Setup

1. Clone the repository

```
git clone <repository-url>
cd <project-folder>
```

2. Create and activate a virtual environment

```
python -m venv venv
# Windows
venv\Scripts\activate
# Mac/Linux
source venv/bin/activate
```

3. Install dependencies

```
pip install -r requirements.txt
```

4. Database Setup

- Create a MySQL database named `myshopdb` (or update `settings.py` with your DB credentials)
- Make sure MySQL is running
- Apply migrations:

```
python manage.py makemigrations
python manage.py migrate
```

5. Create superuser (admin)

```
python manage.py createsuperuser
```

6. Run the development server

```
python manage.py runserver
```

Visit `http://127.0.0.1:8000` in your browser.

Stripe Configuration

- Update your `settings.py` with your Stripe keys:

```
STRIPE_SECRET_KEY = '<your-stripe-secret-key>'
STRIPE_PUBLISHABLE_KEY = '<your-stripe-publishable-key>'
```

URL Overview

URL	Description
`/`	Home page
`/detail/`	Product listing
`/product/<id>/`	Product detail page
`/product/quick-view/<id>/`	Product quick view modal

URL	Description
`/login/`	Login page
`/logout/`	Logout
`/register/`	User registration
`/cart`	View cart
`/cart/add/<id>/`	Add to cart
`/cart/remove/<id>/`	Remove from cart
`/cart/increase/<id>/`	Increase quantity
`/cart/decrease/<id>/`	Decrease quantity
`/cart-count/`	AJAX cart count
`/create-checkout-session/`	Stripe checkout
`/success/`	Payment success
`/cancel/`	Payment canceled
`/saved-items/`	Saved products
`/save/<id>/`	Save a product
`/remove-saved/<id>/`	Remove saved product
`/orders/`	User order history
`/admin/`	Django admin panel

Notes

- Ensure minimum order value of ₹50 for checkout
- User must be logged in to save products, review products, or place orders