One-Page Report: Django Shopping Website

Render URL:https://linciwei-django-shopping.onrender.com

Introduction

The Django Shopping Website is a shopping site developed using the Django framework. It offers a convenient and efficient shopping experience for users and provides rich information display and data analysis for administrators to make better decisions. This report provides an overview of the website, how to configure the development environment, and how to use the website's features.

Website Features

The website has the following features:

Product Display: Users can see the item on display, click on it to view all the details of the item, and see a map of the place of shipment.

Shopping Cart: Users can add the goods to the shopping cart, select the quantity of the goods, and the shopping cart can automatically calculate the amount to be paid.

Visualization of Data: Administrators can see the visual line chart and bar chart of the number of bad reviews for different brands, the number of exports, and the sales volume of each supplier through the chart page.

Getting Started

To work with the code, you need to configure your environment by following these steps:

Set up the Python environment by running pyenv local 3.7.0.

Create a virtual environment by running python3 -m venv .venv and activate it by running source .venv/bin/activate.

Install pip by running pip install --upgrade pip (optional), and then install Django and the Whitenoise library by running pip install django and pip install whitenoise respectively.

Migrate data by running python3 manage.py makemigrations, python3 manage.py migrate, and python3 manage.py parse_csv.

Using the Website

Go to the home page by clicking the Show Now button on the screen.

Enter the product list by clicking the logo with three bars in the upper left corner. You can search for products by name or price range and sort them accordingly.

Start shopping by selecting the product you like and clicking the "Add to cart" button. You need to log in or register first before using this function.

View the shopping cart by clicking the Trolley icon on the left navigation.

If you are an administrator, you can view visualized data by clicking on the chart button on the left navigation. You need to log in as a superuser to access this feature.

Conclusion

The Django Shopping Website is a convenient and efficient shopping site for users and provides data visualization for administrators. By following the steps outlined in this report, you can easily configure the development environment and use the website's features