**Project Journal for Aquarian Food Products Manufacturing E-Commerce Web Application**

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Software Design

**Project Name:** Aquarian Food Products Manufacturing E-Commerce Web Application

**Start Date:** 2024-05-01

**Project Description:**

The Aquarian Food Products E-Commerce Web Application is a comprehensive online platform designed to expand the reach of Aquarian Food Products Manufacturing into the online market. Our goal is to create a user-friendly, secure, and efficient e-commerce web application that will allow customers to browse, purchase, and get information on our range of healthy food products from the comfort of their homes. Daily/Weekly Entries

**Date:** 2024-05-01

**Tasks Completed:**

Set up the project on the Microsoft Visual Studio.

Selected the tech stack: HTML and CSS for the frontend, JavaScript and Python for the backend, and MySQL for the database.

**Challenges:**

Encountered difficulties in deciding between using Flask or Django for the framework due to concerns about scalability and ease of integration.

**Solutions:**

Decided to go with Django for its full-scale features to ensure smooth integration.

**Next Steps:**

Start setting up the development environment.

Begin coding the frontend components.

Design the database schema and set up initial collections in MySQL.

**Date:** 2024-05-15

**Tasks Completed:**

Established the basic frontend codes.

Designed the database schema.

Implemented user and login authentication, cart, products, and Django administration functionality.

**Challenges:**

Faced some issues with package compatibility, syntax and logical errors.

**Solutions:**

Resolved compatibility and coding issues by reviewing the code repeatedly and importing required packages.

**Next Steps:**

Start implementing shopping functionalities such as payments, checkouts, updates of products and orders

**Periodic Reflection**

**Date:** 2024-05-28

**What Went Well:**

Successfully set up the essential functions of the project.

Completed the frontend design of the web app.

**What Could Be Improved:**

Need to allocate more time for researching third-party integrations to avoid delays.

Improving the frontend design for better visuality.

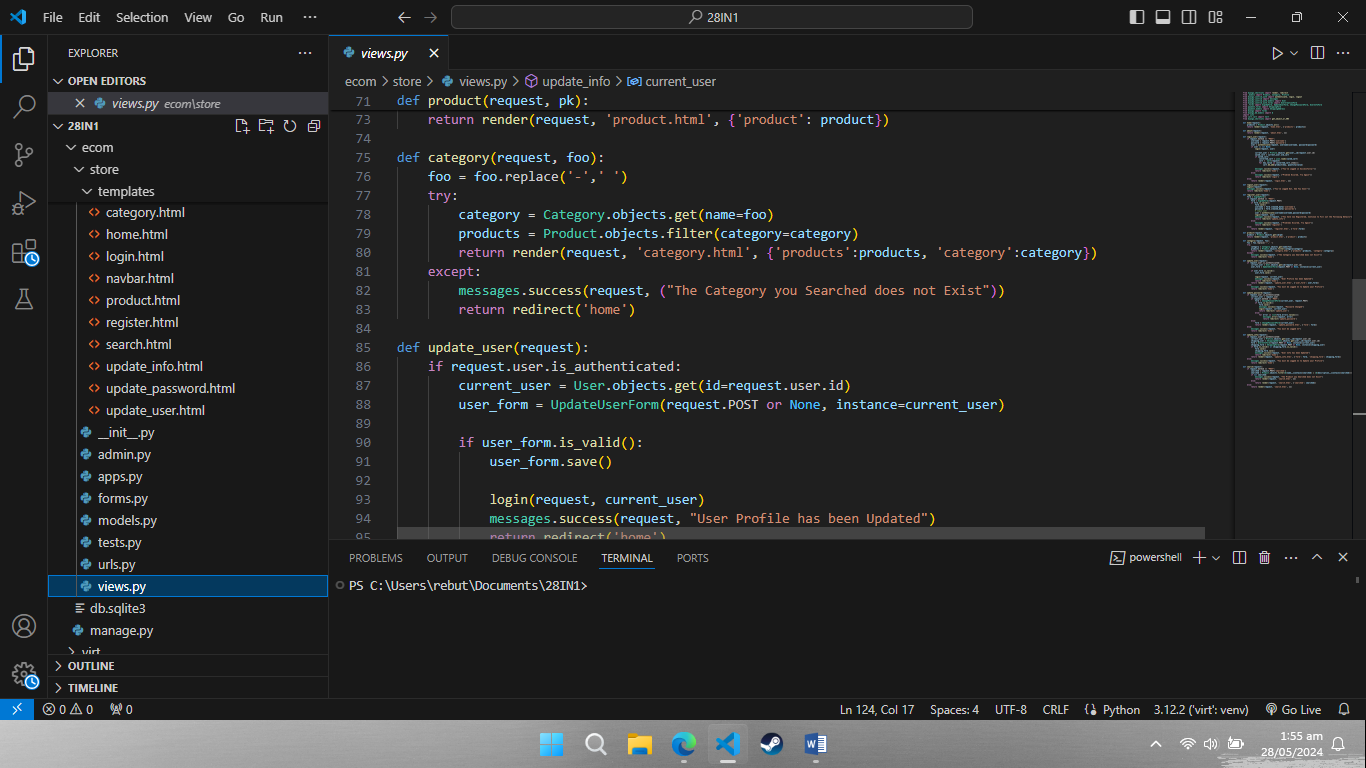
Improving the payment authentication.

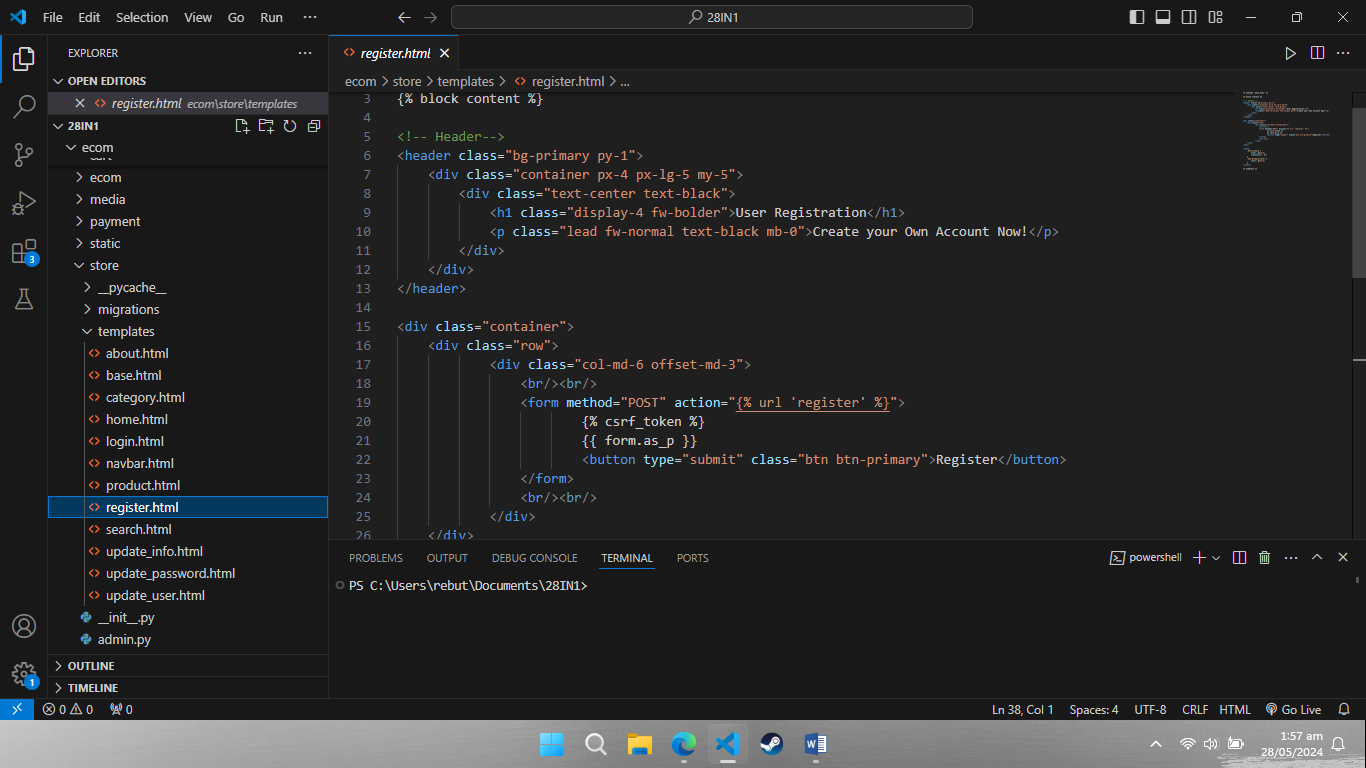
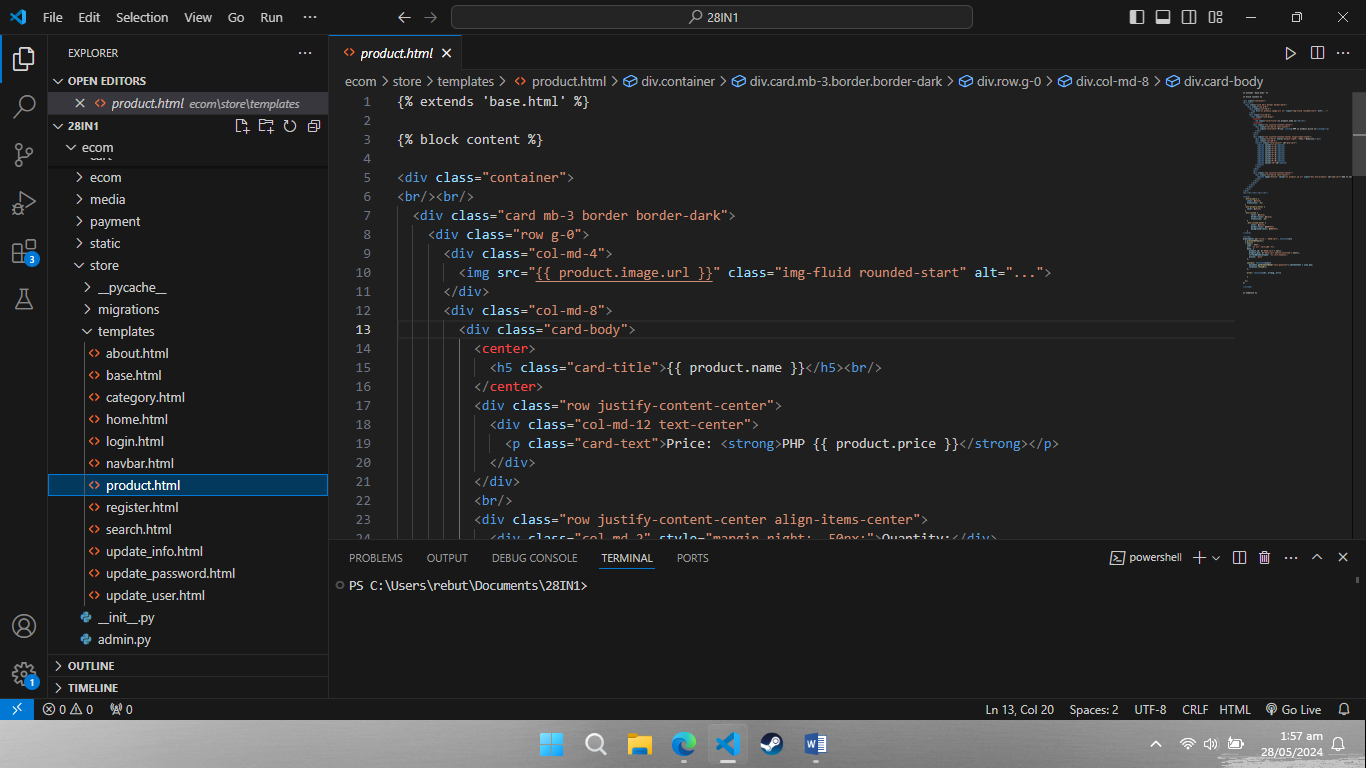
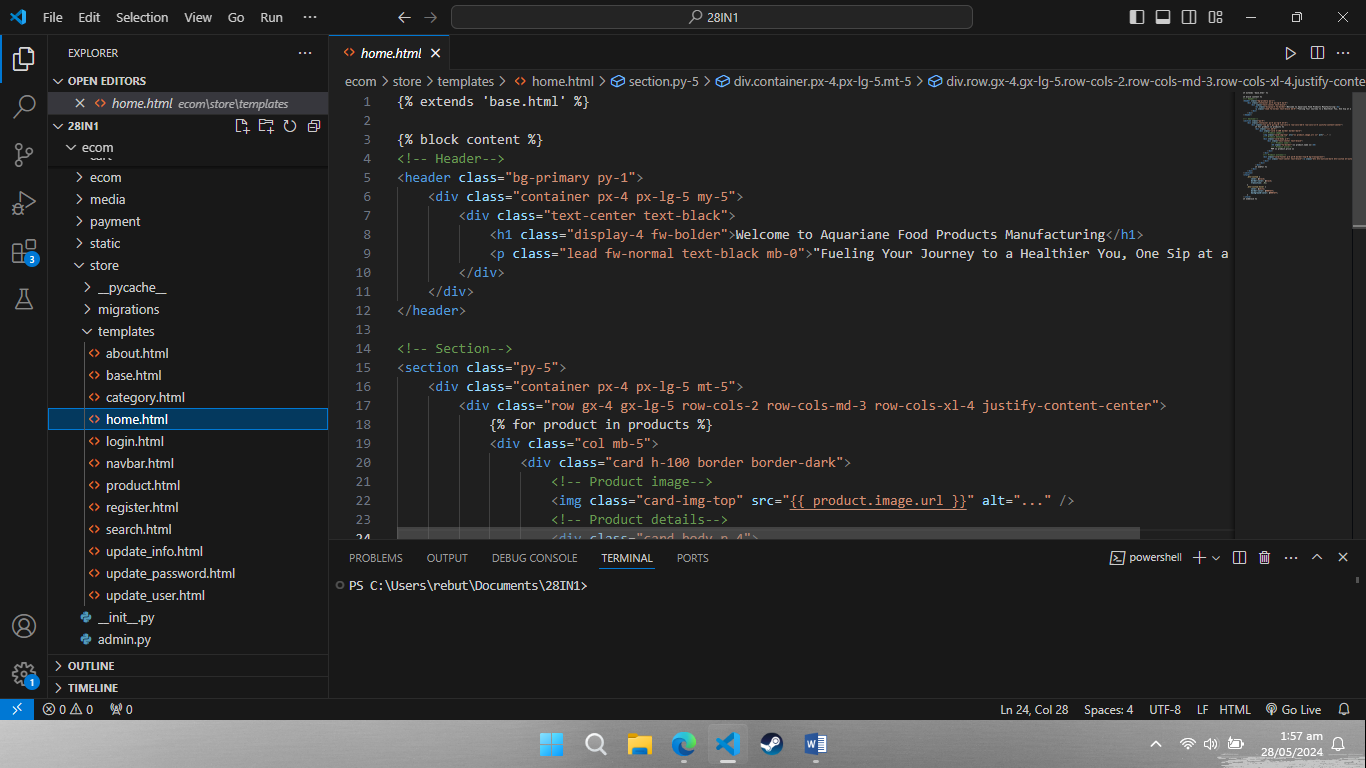
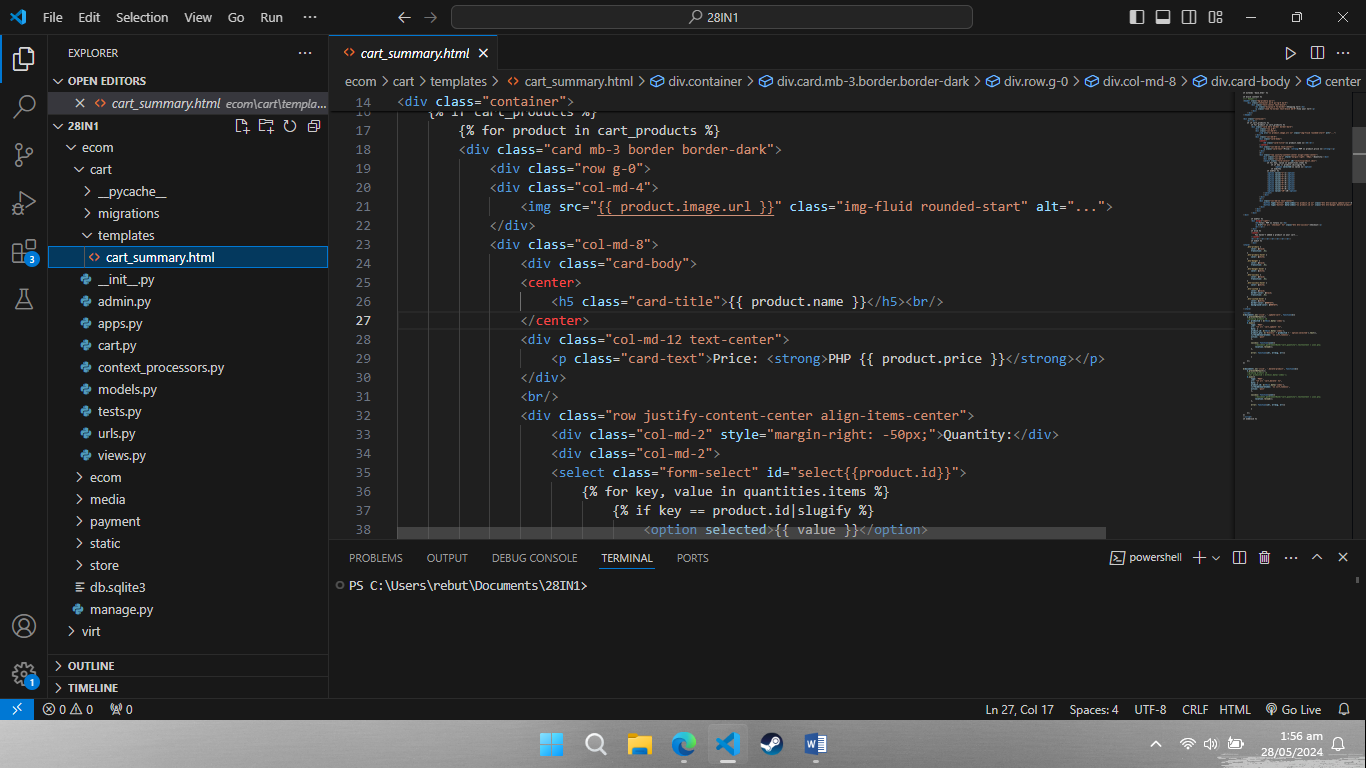
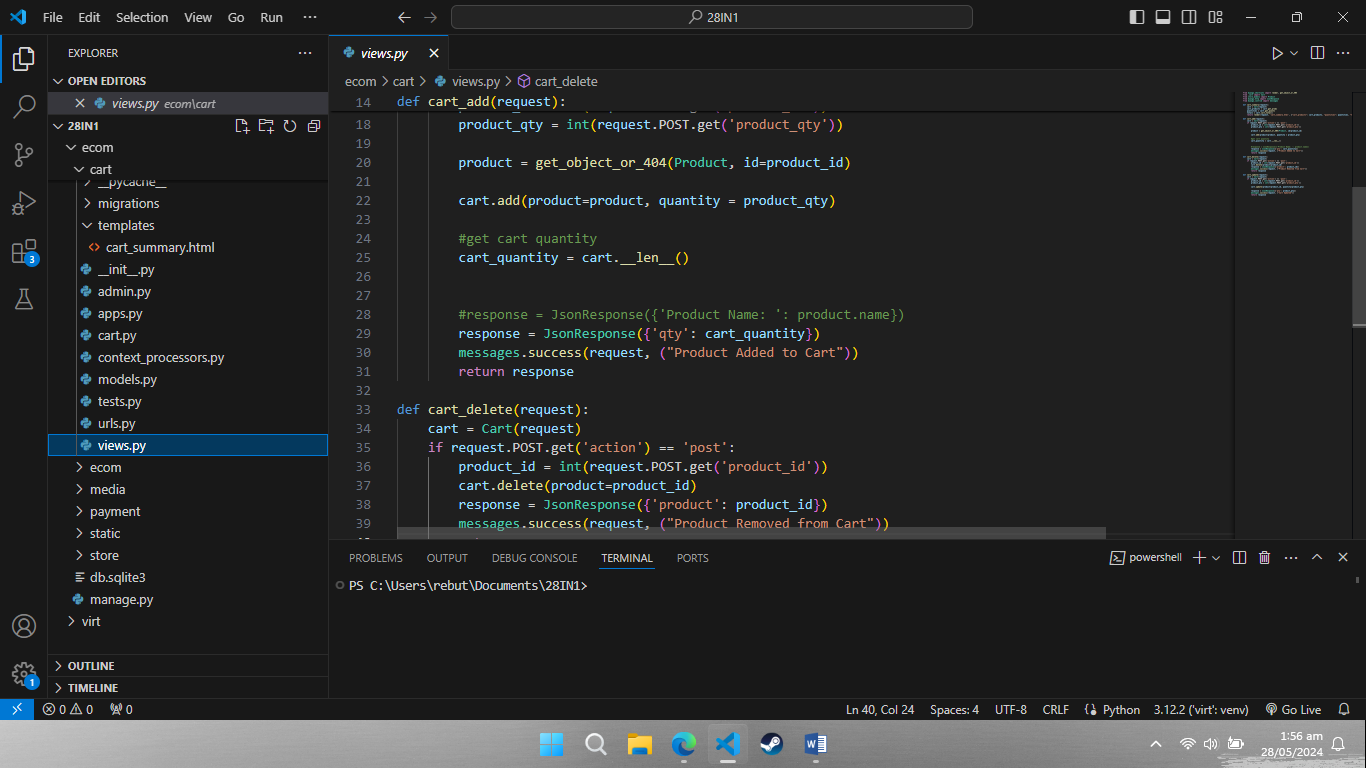
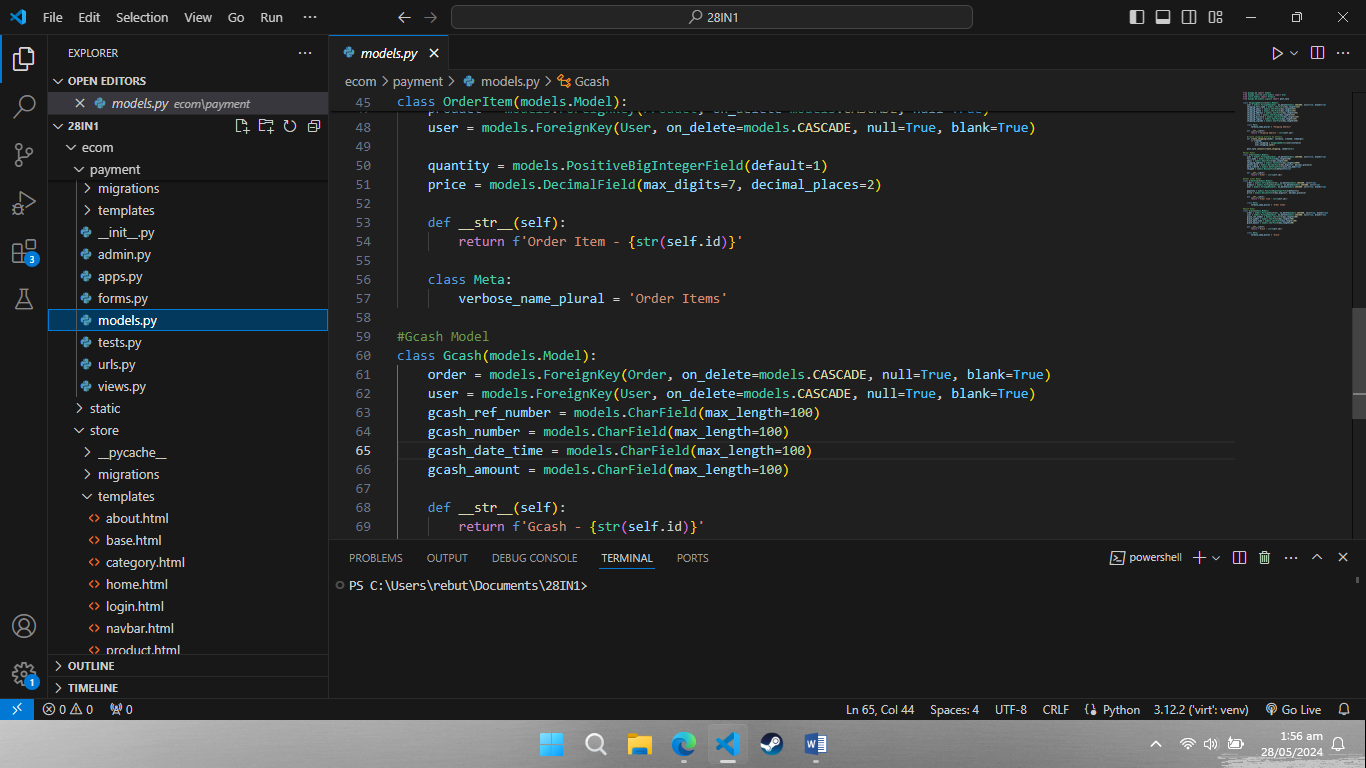
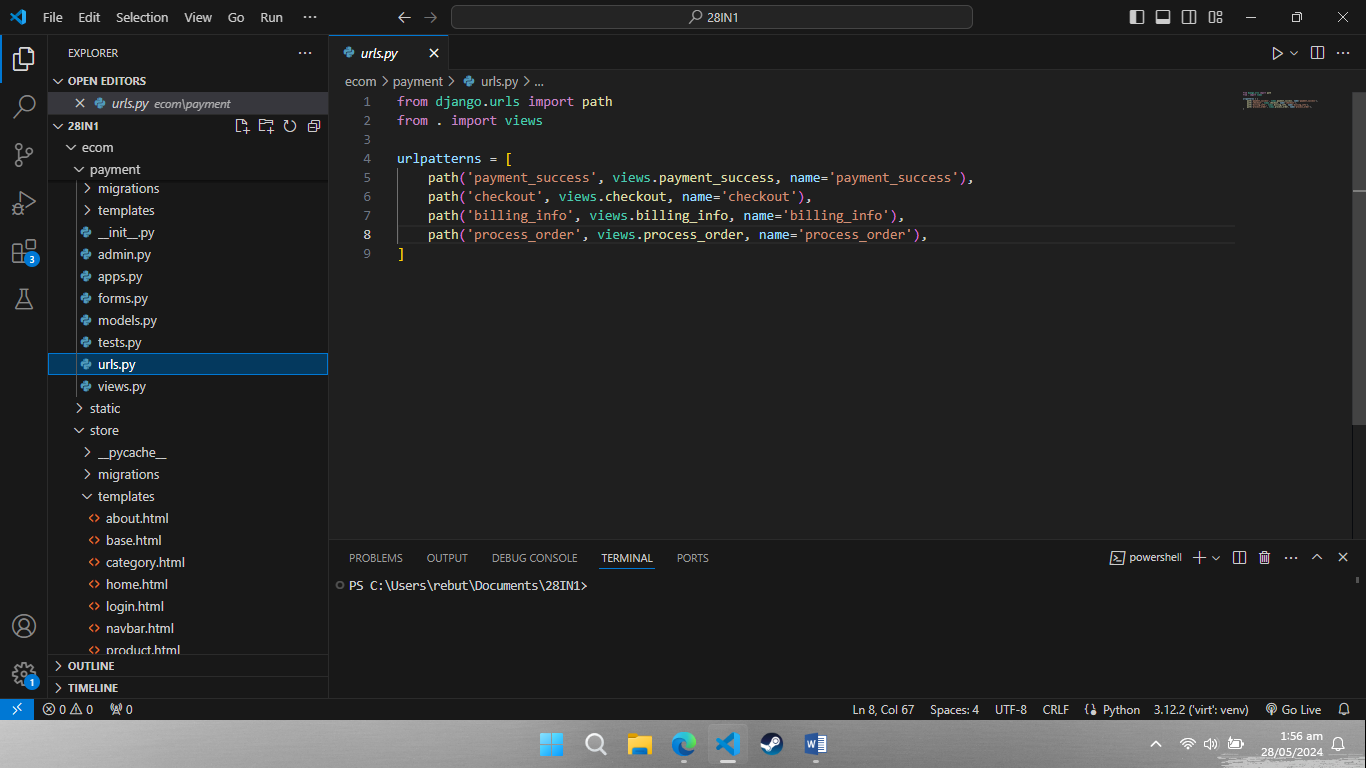
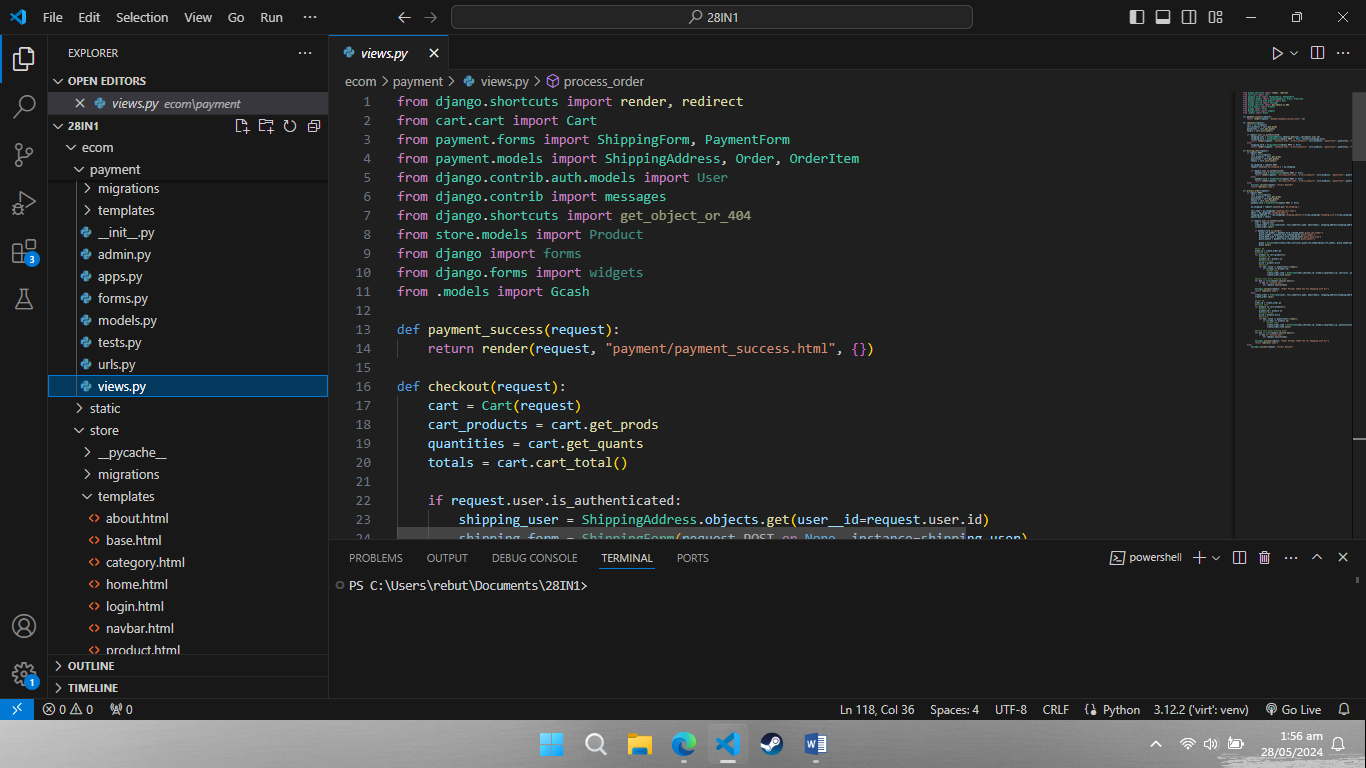
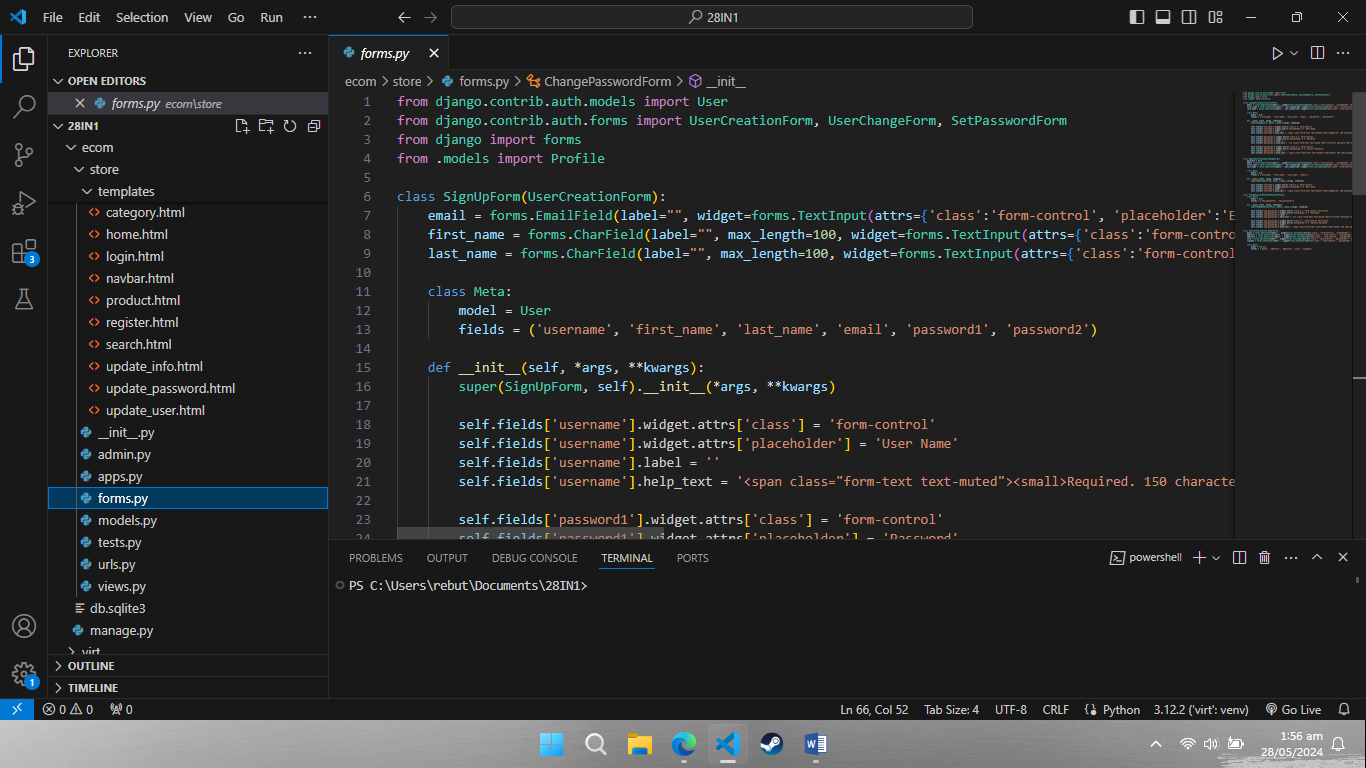
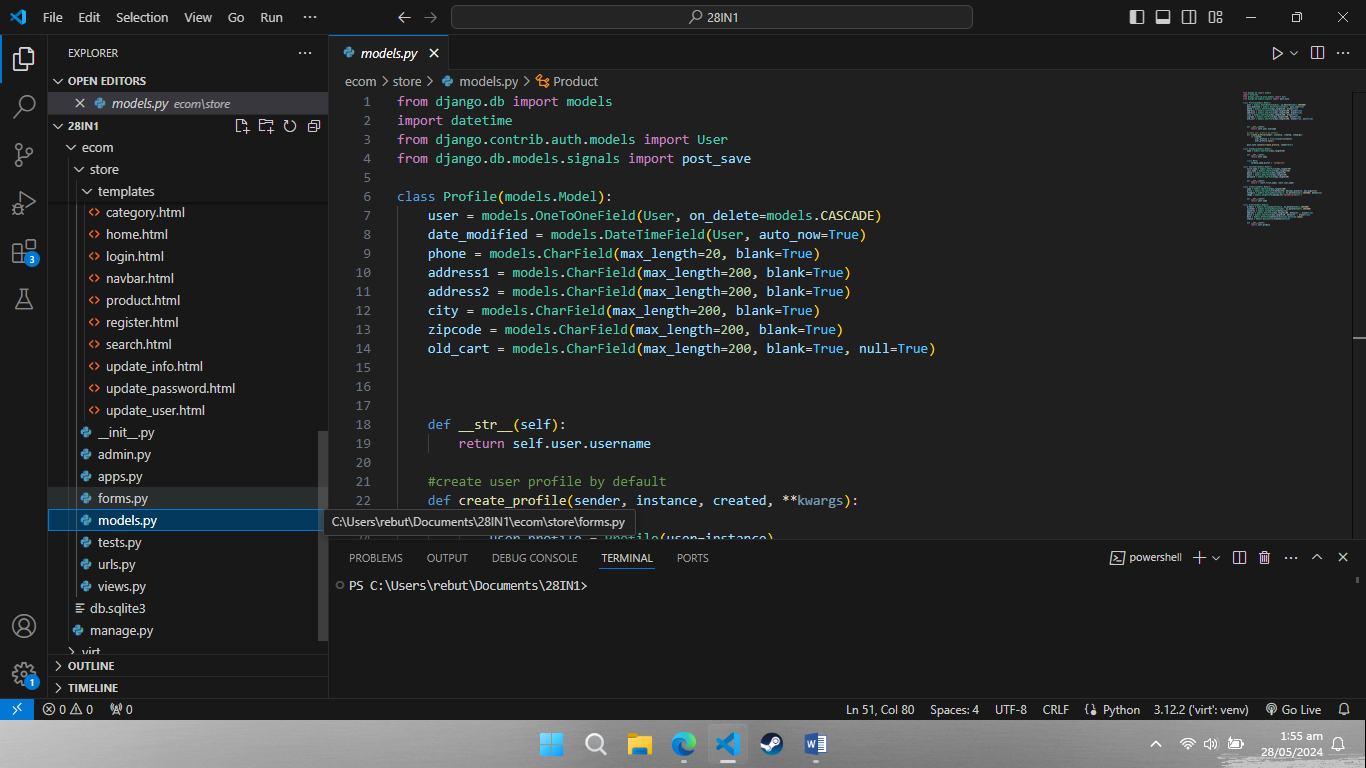
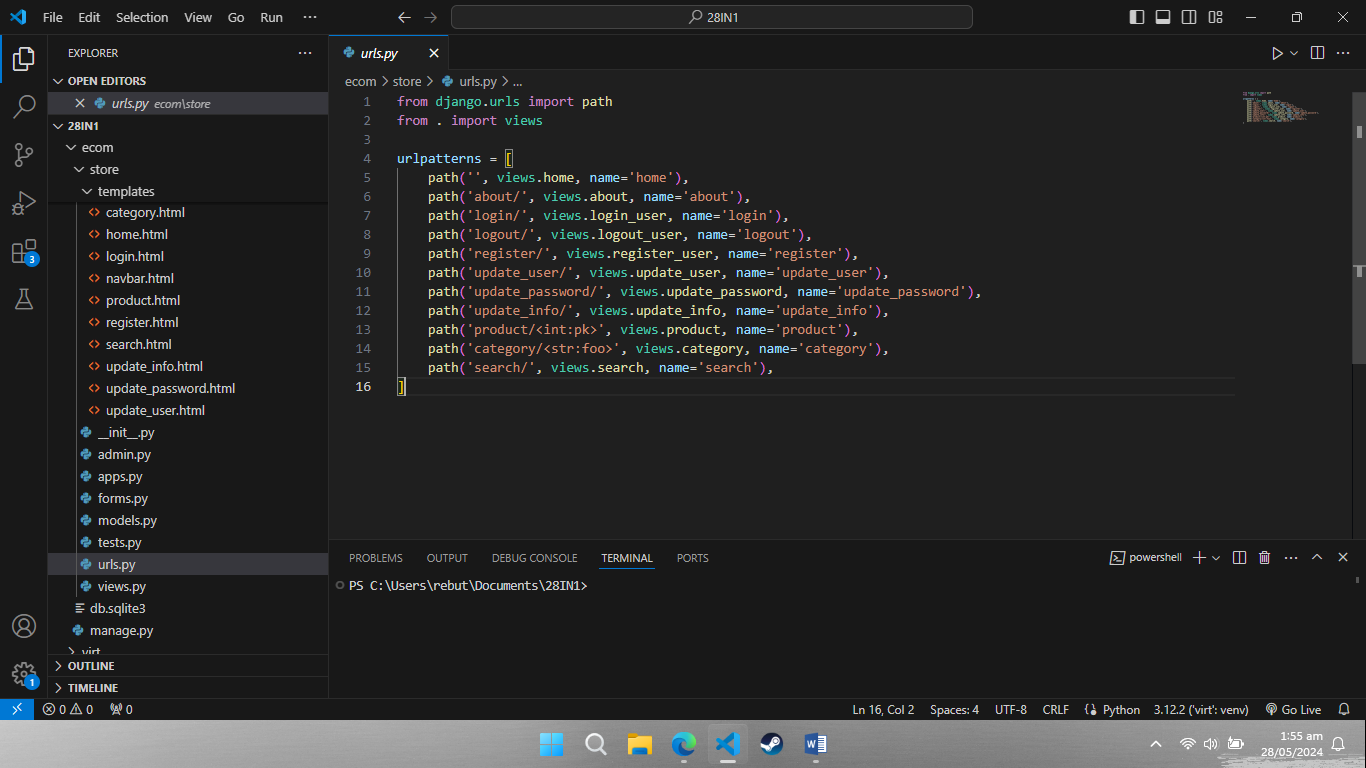
**Plans for Next Period:**

Implement Gcash payment API

Integrate Google OAuth.

Adding product ratings and discounts, and customer support service.

**Documentation: **

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