Festiva - Your Personalized E-Commerce Platform
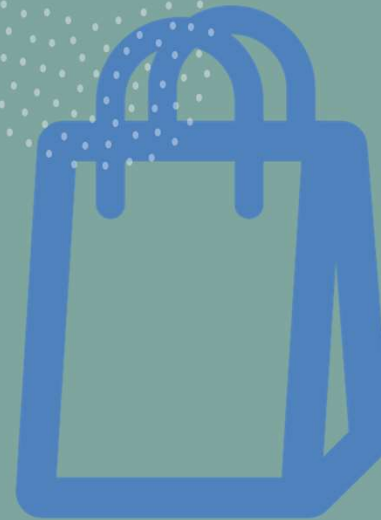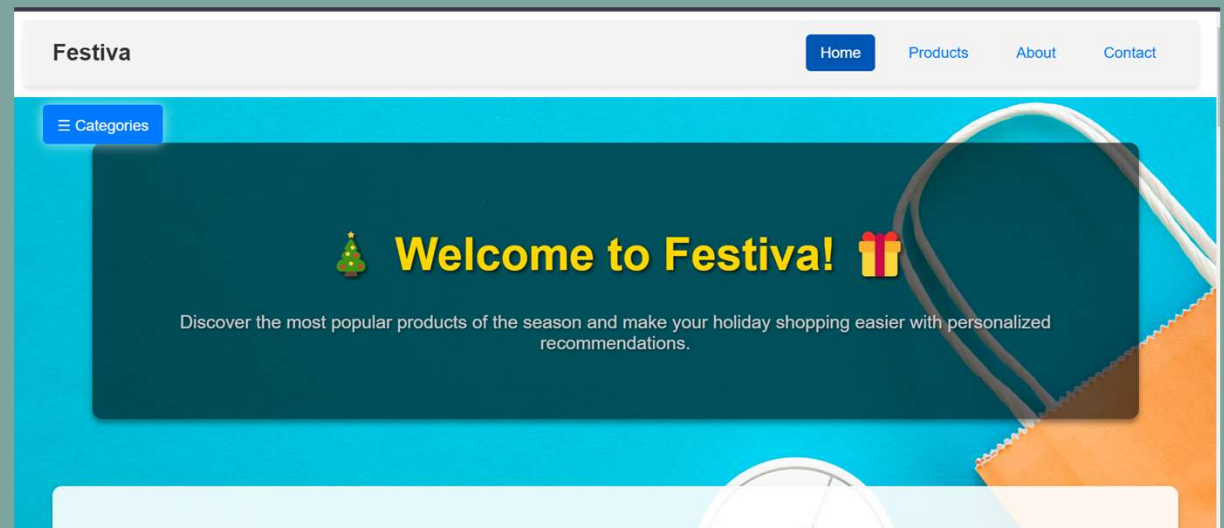
- Project Module 2+3
- Siem Hagos
- December 06, 2024
- Module 13+14

Festiva

Home · **Products** · About · Contact

≡ Categories

Explore Products

Browse through our collection of amazing products!

| n's Activewear Ankle Length | Amazon Pay eGift Card | Amazon Pay eGift Card | o tubing 1/4 size, ro pipe 1/4 s |
| $8.26 | $0.12 | $0.12 | $1.32 |

Project Overview

Objective: Create a personalized e-commerce platform that features trending products, category-based filtering, and predictive product demand analysis.

- Key Features:
  - ➢ - Interactive Navbar and Sidebar
  - ➢ - Product Filtering by Category
  - ➢ - Prediction for Product Demand
  - ➢ - Fixed Navbar for seamless navigation
  - ➢ - Clean and responsive design for all pages (Home, Products, About, Contact)
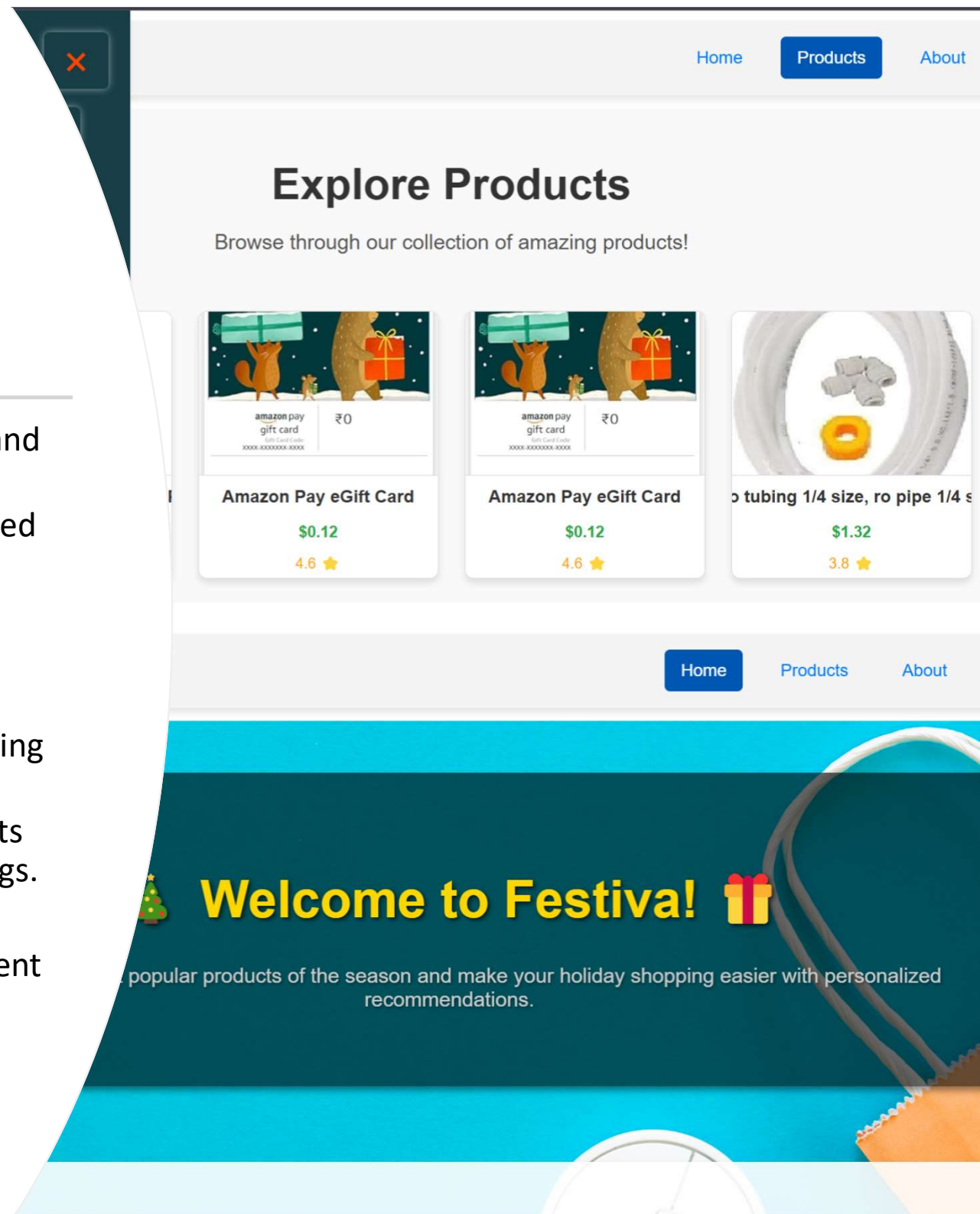
Features Highlight

❑ Home Page:

- Displays welcome messages and trending products.
- Sidebar for easy category-based navigation.
- Fixed Navbar with a smooth transition on scroll.

❑ Products Page:

- Category-based product filtering via Sidebar.
- Dynamic rendering of products with images, prices, and ratings.

❑ About & Contact Pages:

➢ - Responsive design with a consistent Navbar.

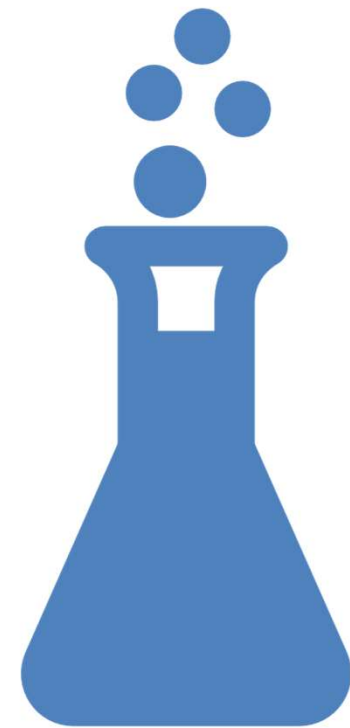➢ - Clean layout for information and contact form.

Technical Implementation

Technologies Used:

- ✓ - Frontend: React.js, CSS
- ✓ - Backend: Flask, SQLAlchemy
- ✓ - Database: PostgreSQL
- ✓ - API Integration: Axios for data fetching

Key Functionalities:

- ▪ - Product filtering by category.
- ▪ - Backend integration for fetching product data and predictions.
- ▪ - Fixed Navbar with responsive and animated transitions.
- ▪ - Sidebar toggle for enhanced user experience.

Conclusion

❑ Challenges:

o - Ensuring consistent styling across all pages.

o - Implementing smooth transitions for the Navbar.

o - Dynamic filtering of products from the Sidebar.

❖ Achievements:

o - Fully functional, user-friendly e-commerce platform.

o - Clean, responsive UI/UX.

o - Integration of predictive analytics for product demand.

❖ Next Steps:

▪ - Adding user authentication for personalized recommendations.

▪ - Implementing a wishlist and shopping cart feature.

References

- GitHub Repository:
https://github.com/siezer-5997/Festiva.git

- Google Slides Presentation:

https://docs.google.com/presentation/d/12vVh56SaAUUCMAENFo-s62uDE-NZ9hYJKscGxFcVCqw/edit?usp=sharing