Lolli & Pops Candy Shop User Manual

Introduction

Course Title: Enterprise Application Developement **Course Instructor**: Dr. Shuja-ur-Rehman Baig

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Project Overview

Lolli&Pops is a full-stack candy shop application developed using Blazor web app template. It is designed to provide a seamless platform for users to browse, purchase, and enjoy a wide variety of candies. The application allows users to explore product categories, manage their cart, and complete secure checkouts.

The admin panel enables store managers to efficiently handle inventory, update product information, track sales, and view statistics, ensuring smooth operations and customer satisfaction.

GitHub Url: https://github.com/pupucit/cs21-blazor-project-Malaika-Farid

Core Functionalities and Technologies

User Authentication:

Implements secure user registration and login using ASP.NET Core Identity. Supports role-based authorization for users and administrators.

Product Management:

Users can browse a variety of candies with detailed descriptions, images, and prices. Admins can add, edit, and delete candy products through the admin panel.

Shopping Cart:

Enables users to add, update, or remove items from their cart. Displays a dynamic summary, including subtotal, taxes, and total cost.

Checkout Process:

Provides a smooth and secure checkout flow for completing purchases. Supports order summary and confirmation after checkout.

Search and Filters:

Includes a search functionality to find products using keywords. Supports filtering products by category or price range.

Responsive UI:

Developed with Blazor Server, ensuring a responsive and interactive user experience on all devices.

User Profile:

Personalized profiles for users to view and manage their orders and account settings.

Admin Panel:

Allows administrators to manage inventory, update stock levels, and view sales statistics. Includes options to monitor user activity and manage product categories.

Dynamic Updates:

Real-time cart and inventory updates using JavaScript interop with Blazor.

Secure Data Storage:

Utilizes Dapper to securely store user and product data in the database.

Web Security Measures

Model Validation:

Server-side validation ensures data integrity and prevents the processing of invalid data during user actions such as registration or checkout.

CSRF Prevention:

Enabled Cross-Site Request Forgery (CSRF) protection to safeguard user sessions and prevent unauthorized actions.

Technologies Used

- Frontend: HTML, CSS, JavaScript, Bootstrap for responsive design.
- Backend: Blazor Server
- **Database**: Microsoft SQL Server with Dapper as the ORM.
- Auth: ASP.NET Core Identity

Screen Shots

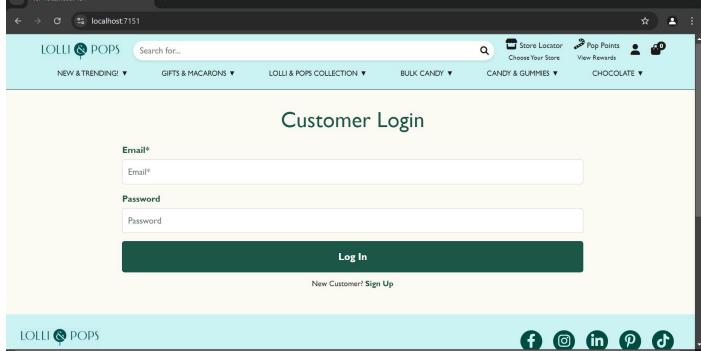


Figure 2: Page encouraging users to start their shopping, with options to create a new account

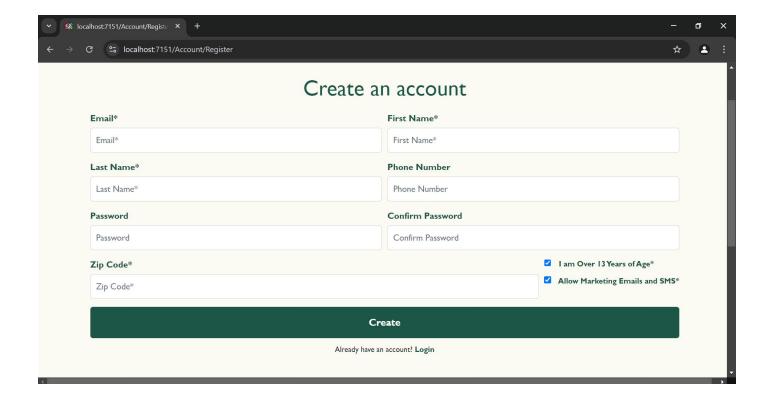


Figure 3: Page to confirm their emails on creating a new account

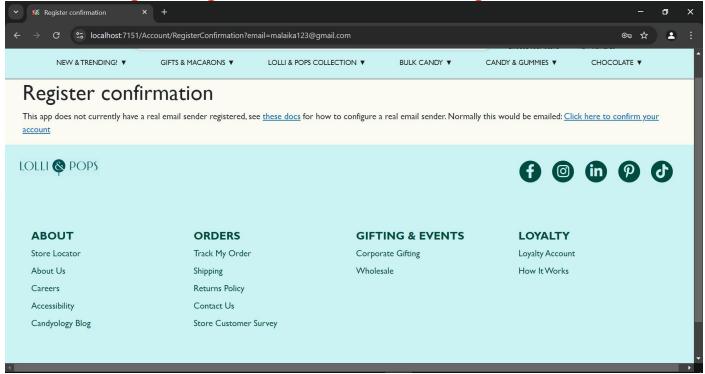
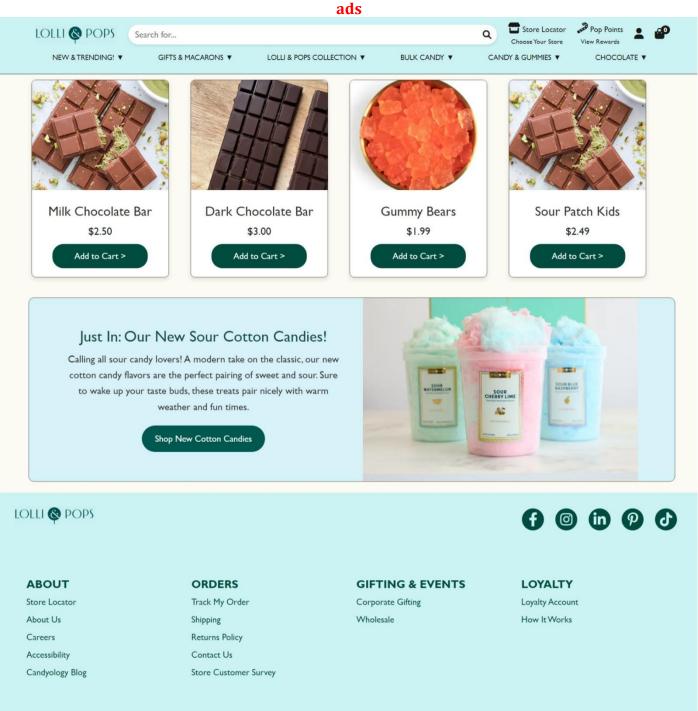
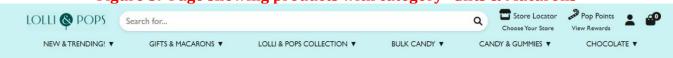


Figure 4: Kind of welcome Landing Page after logging in showing trending products with some



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Figure 5: Page showing products with category "Gifts & Macarons"





Golden Truffle Delight \$15.99

Add to Cart >



Heavenly Chocolate Praline \$12.99

Add to Cart >



Caramel Dream Bites \$10.99

Add to Cart >



Rose Pistachio Crumble

\$11.99

Add to Cart >



Hazelnut Crunch Bonbon \$14.35

Add to Cart >



Classic Honey Macaron \$3.49

Add to Cart >



Lavender Honey Macaron

\$3.99

Add to Cart >



Salted Caramel Macaron

\$3.29

Add to Cart >













ABOUT

Store Locator About Us Careers Accessibility

Candyology Blog

ORDERS

Track My Order Shipping Returns Policy Contact Us

Store Customer Survey

GIFTING & EVENTS

Corporate Gifting Wholesale

LOYALTY

Loyalty Account How It Works

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Figure 6: Page showing products with category "Lolli Pops"

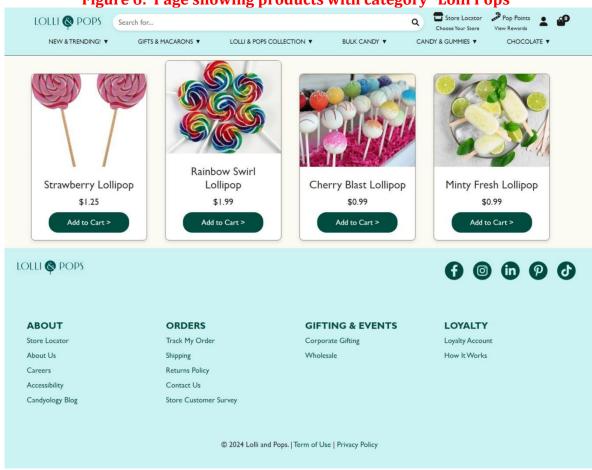
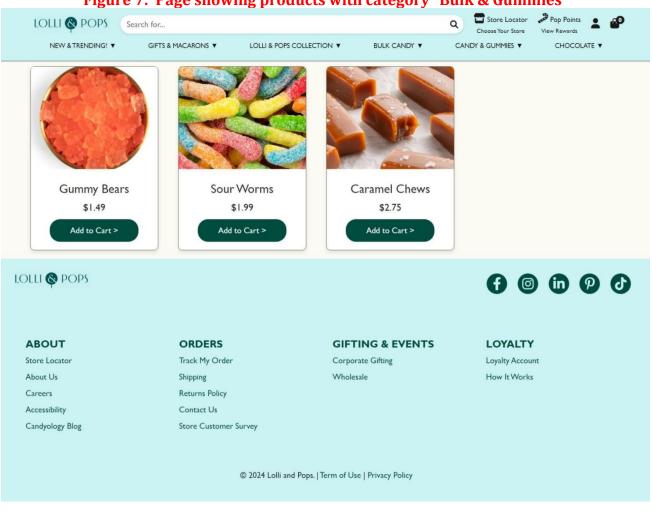


Figure 7: Page showing products with category "Bulk & Gummies"



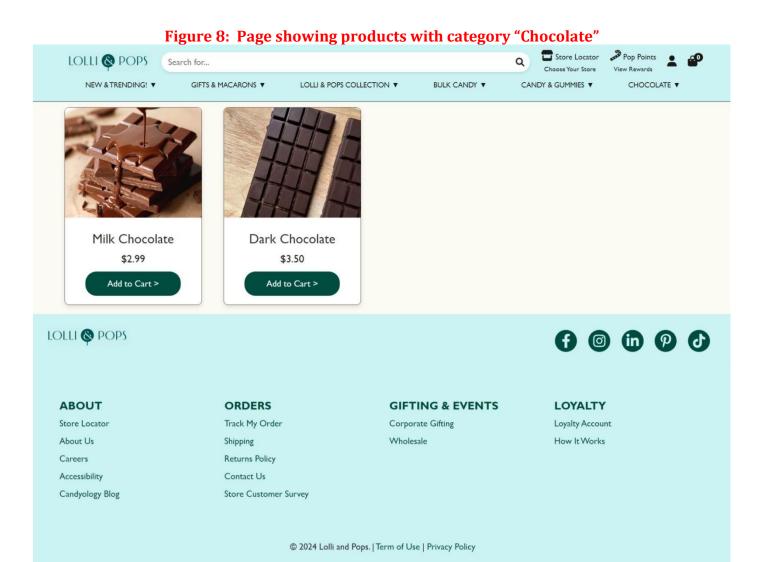


Figure 9: Page showing our all products with a search feature

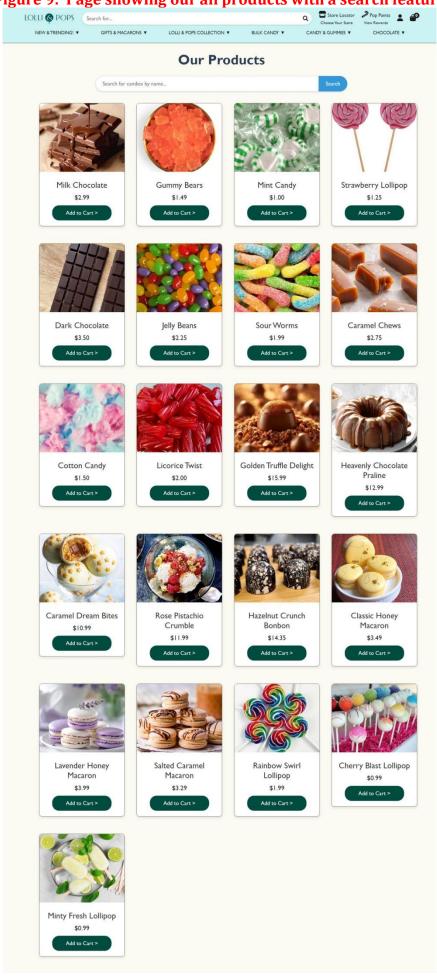


Figure 10: Page showing filtered products on user given keyword

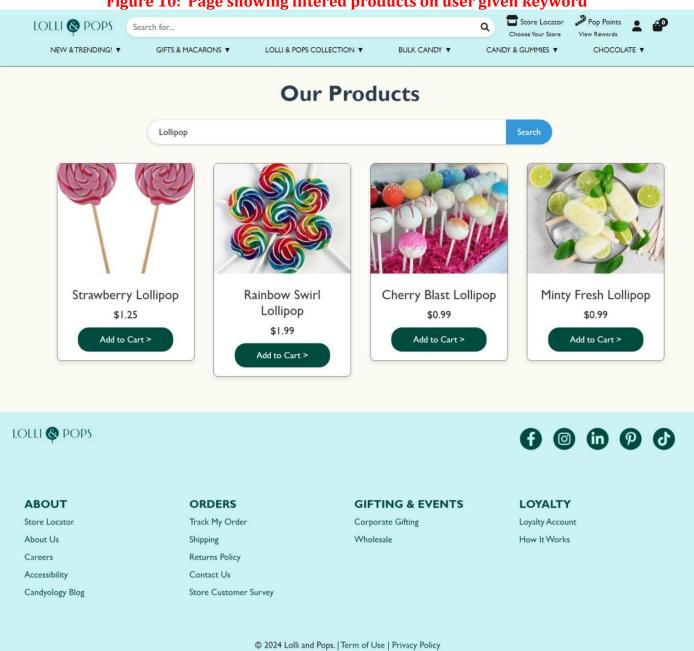


Figure 11: Page showing our all stores with their locations on map

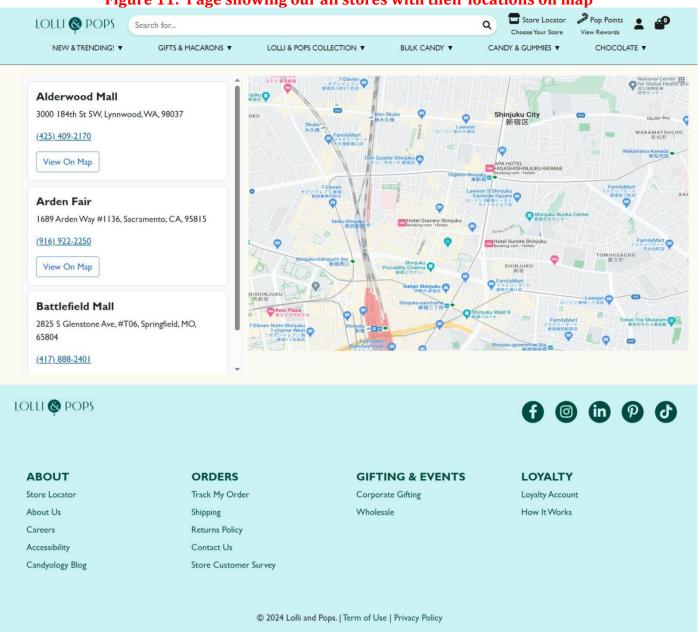
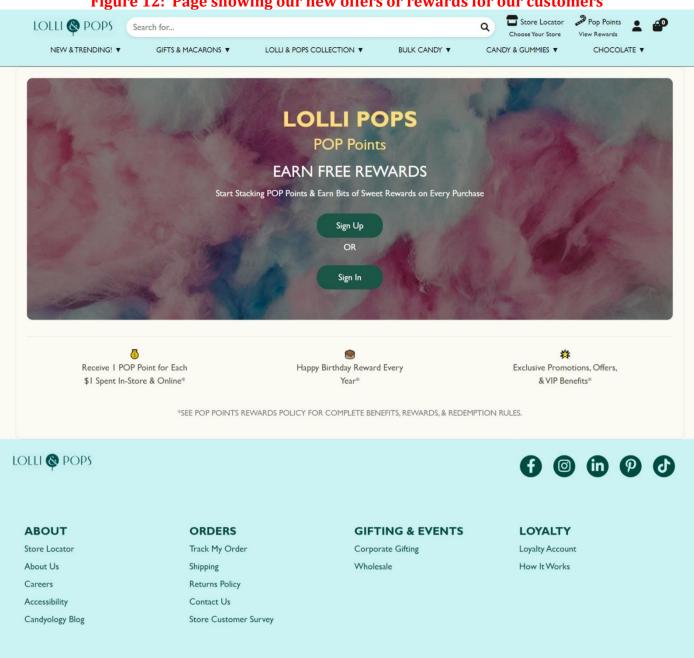


Figure 12: Page showing our new offers or rewards for our customers



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Figure 13: Page showing the cart products added by a user

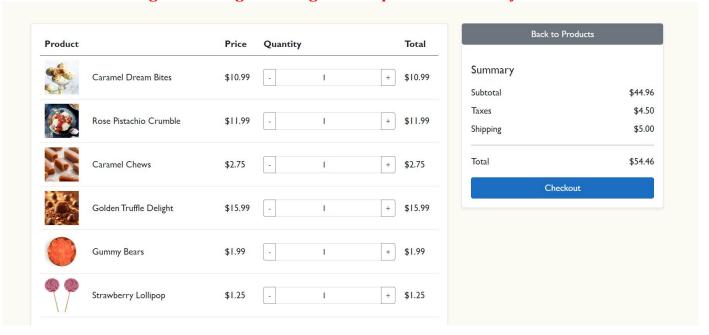


Figure 14: Page to show the payment is successful on order

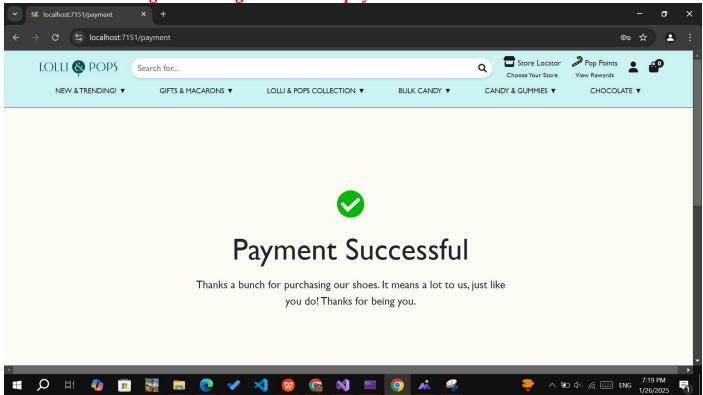


Figure 15: Page showing dashboard of admin side LOLLI POPS Dashboard Products Logout Sales Statistics ADD AN PRODUCT + Sales in USD 1,400 1,200 REMOVE A PRODUCT 1,000 800 ALL PRODUCTS 600 400 **EDIT A PRODUCT** 200 February March April January

Figure 16: Page to add a new product on admin side

Add Product

