



אוניברסיטת טכנולוגיית מרא

UNIVERSITI
TEKNOLOGI
MARA

FACULTY OF COMPUTER AND MATHEMATICAL SCIENCE
(FSKM)

ENTERPRISE PROGRAMMING

(CSC 584)

GROUP PROJECT REPORT : USER MANUAL

MEMBERS NAME	STUDENTS ID
MOHAMAD AIMAN BIN SAIDIN	2024228854
SITI UMAIRAH FAQIHAH BINTI AZLIN	2024447124
NUR ELLIYANI BINTI ABD WAHAB	2024445116
IZZATUL ALIA BINTI MOHAMAD NAZRI	2024219124

GROUP : CDCS2534B

PREPARED FOR :
MUHAMAD RIDHWAN BIN MOHAMAD RAZALI

1.0 INTRODUCTION

The FoodMart Online Shopping System is a web-based platform designed to facilities an efficient and user-friendly grocery shopping experience. Developed using JSP (Java Server Pages) hosted via NetBeans, the system allows customers to browse and purchase products, manage their cart and apply discount coupons. It also includes administrative tools for managing promotional campaigns, orders and inventory. The platform supports both customer and admin interfaces to ensure streamlined operation, promoting better engagement and smoother transaction flow for all users.

2.0 PROBLEM STATEMENT

Traditional grocery shopping platforms often lack personalization, administrative flexibility and real-time inventory management. Shoppers may face inconvenience in navigating complex user interfaces, applying valid promotions or receiving timely updates on their orders. Similarly, administrators are burdened by manual management of campaigns, sales reports and customer feedback, which can lead to inefficiencies and poor user satisfaction. These limitations hinder scalability, reduce sales potential and impact overall operational effectiveness in a highly competitive digital retail environment.

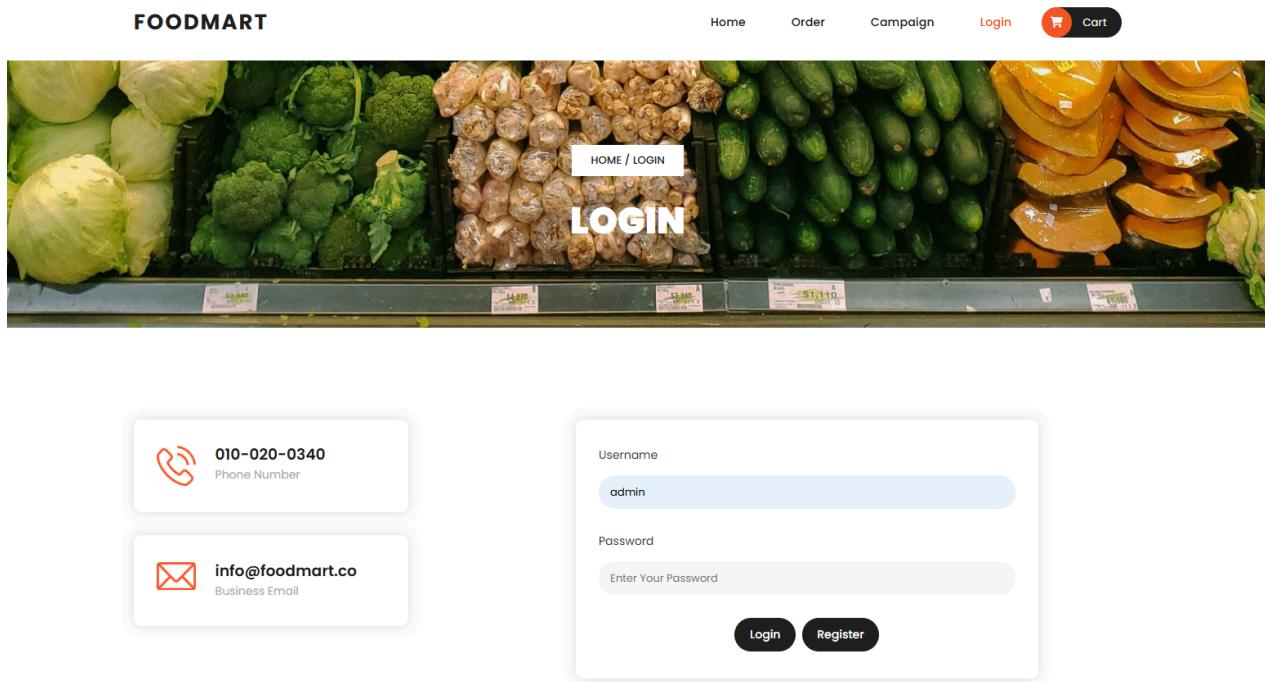
3.0 OBJECTIVE

- To provide a secure login and session-based access control for both administrators and users.
- To allow administrators to manage campaigns, coupon codes, user statistics and product listings through a centralized dashboard.
- To enable users to browse products, add items to the cart, apply discount codes and proceed to checkout smoothly
- To implement a dynamic cart system where users can adjust item quantities and view live updates of order totals
- To streamlines promotional management by associating coupons with specific products or campaigns including expiry control and usage limits
- To offer a clean, responsive and accessible user interface for both desktop and mobile users

4.0 DEMONSTRATION

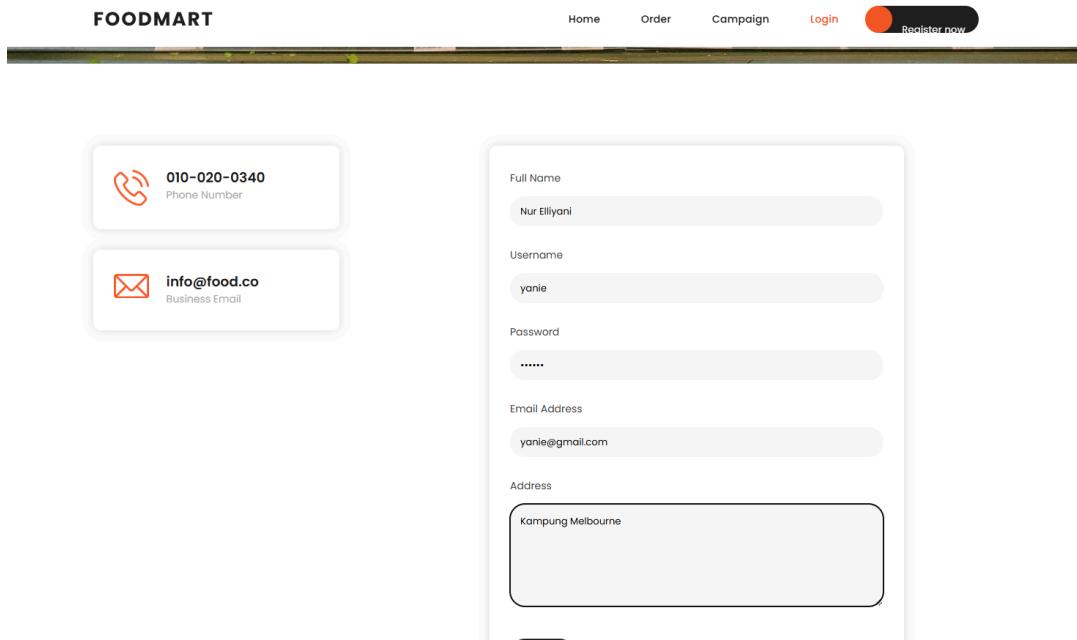
This section presents a detailed walkthrough of The FoodMart Online Shopping System, emphasizing its primary functionalities as experienced by administrators and regular users alike.

4.1 LOGIN AND REGISTRATION ACCESS



The image shows the Foodmart login interface. At the top, there is a navigation bar with links for Home, Order, Campaign, Login, and Cart. Below the navigation bar is a banner featuring various fresh vegetables like broccoli, cucumbers, and bell peppers. Overlaid on the banner are two buttons: "HOME / LOGIN" and a larger "LOGIN" button. To the left of the banner, there are two boxes: one for "Phone Number" (010-020-0340) and another for "Business Email" (info@foodmart.co). On the right side of the banner, there is a form for entering a "Username" (admin) and a "Password". At the bottom right of the form are "Login" and "Register" buttons.

Figure 1: The login interface allows existing users to sign in, while new users can click “Register now” to begin the account creation process



The image shows the Foodmart registration form. At the top, there is a navigation bar with links for Home, Order, Campaign, Login, and a red "Register now" button. Below the navigation bar is a banner featuring a green background with some text. To the left of the banner, there are two boxes: one for "Phone Number" (010-020-0340) and another for "Business Email" (info@food.co). On the right side of the banner, there is a large form for collecting user details. The form includes fields for "Full Name" (Nur Elyani), "Username" (yanie), "Password" (represented by four dots), "Email Address" (yanie@gmail.com), and "Address" (Kampung Melbourne). The "Address" field is highlighted with a red border.

Figure 2: The registration form collects user details such as name, username, password, email and address

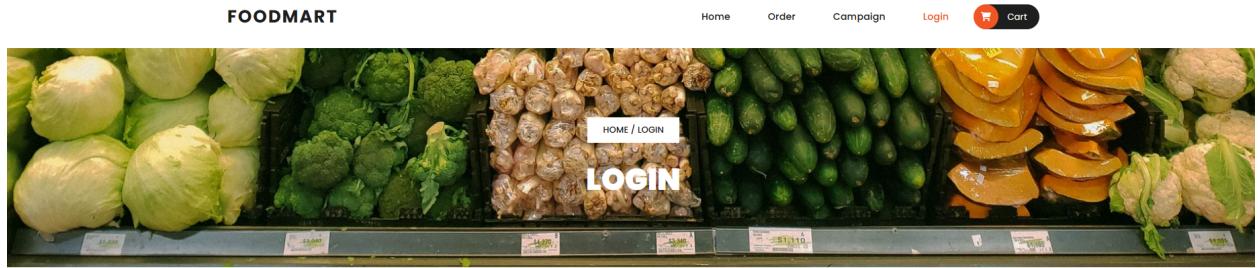
This image displays a registration成功的消息框，内容为“Registration successful! Please login below.”下方是一个登录表单，包含用户名输入框（预设值为“admin”）和密码输入框（显示为“...”）。表单底部有“Login”和“Register”按钮。

Figure 3: A success message confirms registration and prompts the user to log in with their new credentials

4.2 GENERAL USER FUNCTIONS

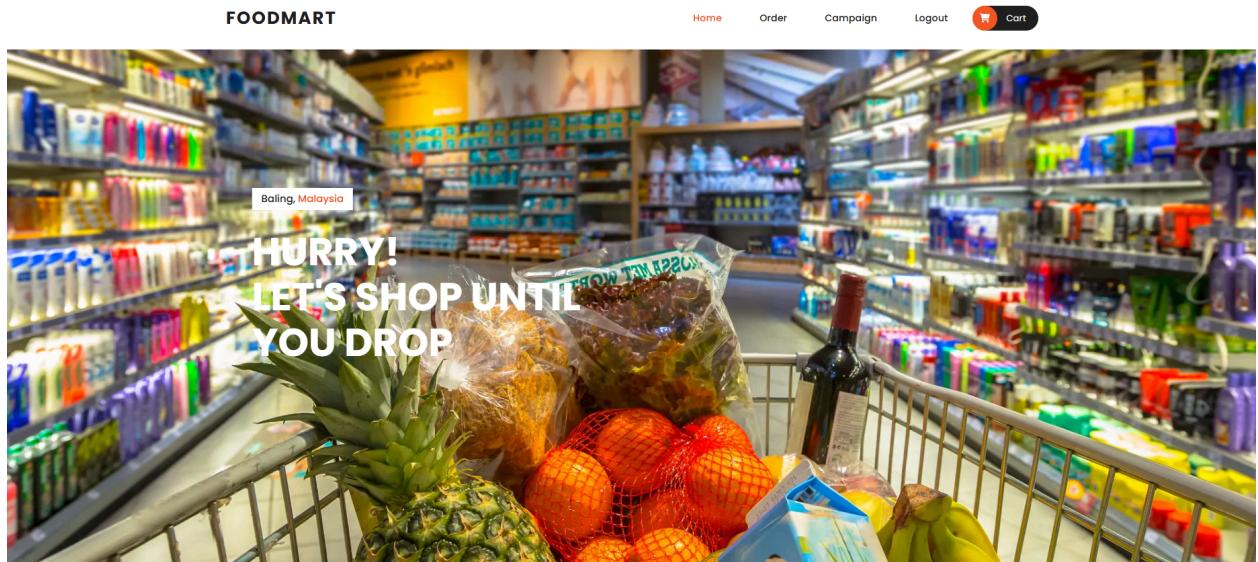


Figure 4: The homepage displays a welcoming interface with a promotional banner encouraging users to shop, enhancing user engagement and navigation

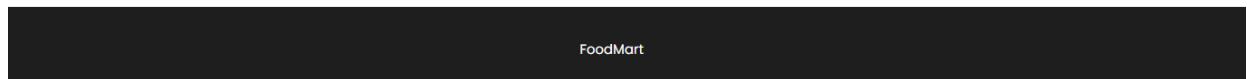
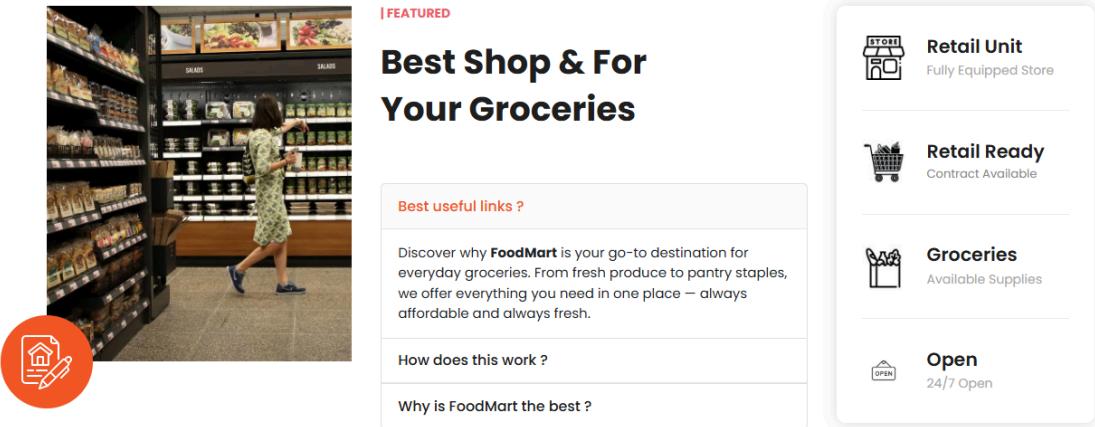


Figure 5: Scroll down the page and it will show about the information of the FoodMart Shopping System

Figure 6: The order page allows users to browse and add products to their cart with filtering options for fruits, vegetables and other.

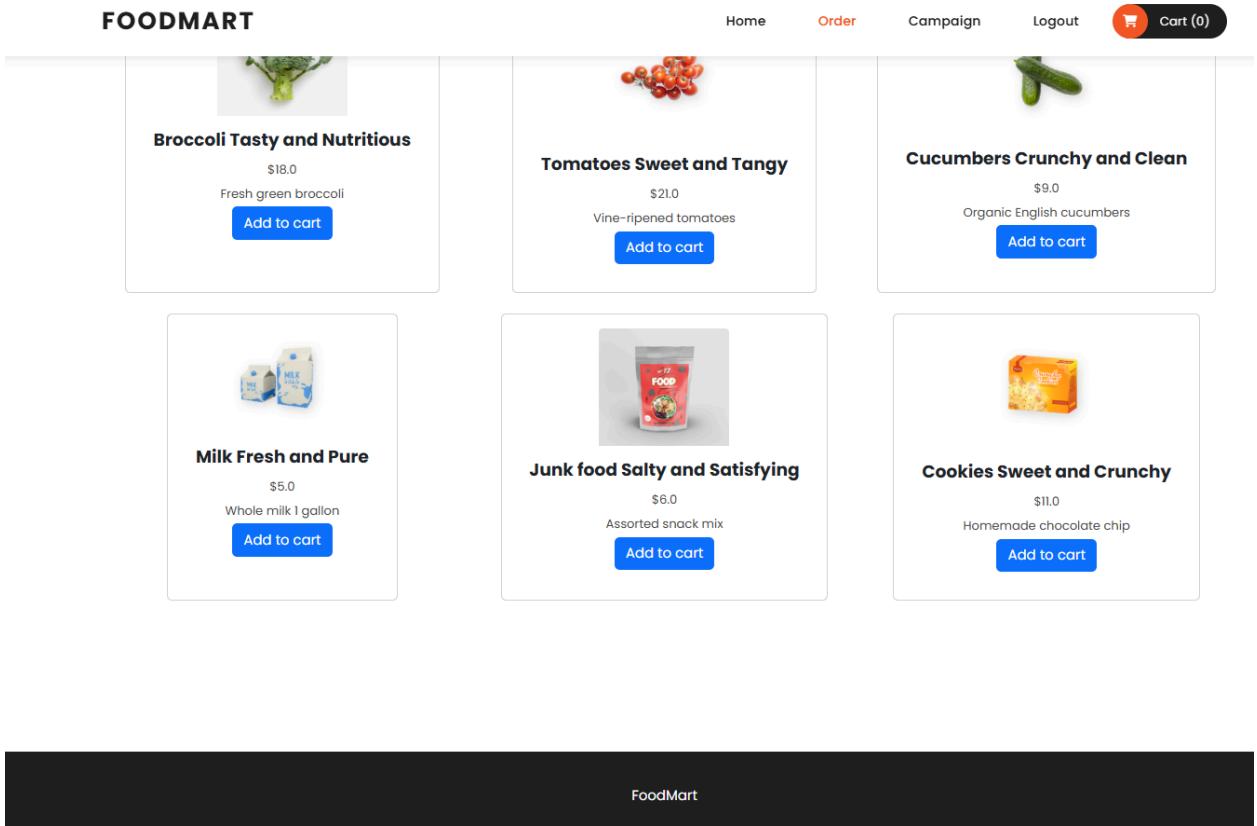


Figure 7: Scroll down the same page and it will show more products

The screenshot shows a promotional section on the FoodMart website. It features a banner image of various fresh vegetables like cabbage, broccoli, and cucumbers. Overlaid on the banner is a white rectangular box containing the text "HOME / CAMPAIGNS" and "CURRENT CAMPAIGNS". Below the banner is a detailed promotional box.

Related Coupons:

RAYA15 - RM15.0 OFF
Usage limit: 3 times
Applicable to: Tomatoes Sweet and Tangy

Expires: Aug 8, 2025

The promotional text in the box reads: "The Raya joy continues with Raya Sale 2! We're bringing you even more discounts, flash deals, and special offers to make this festive season extra special. Enjoy exclusive coupons and massive savings on a wide range of products. From clothes to gadgets and everything in between, now's the time to treat yourself (or someone special) without breaking the bank. Plus, shop conveniently from home and enjoy exclusive deals you won't find anywhere else!"

Figure 8: The campaign page highlights ongoing promotions and coupons, providing users with discount details and usage conditions

Celebrate the spirit of Raya with unbeatable discounts during our Raya Sale! From fashion to home goods, electronics to beauty essentials, enjoy incredible savings on your favorite products. Whether you're gearing up for the festivities or shopping for the new season, this is the perfect time to snag amazing deals. Use our exclusive Raya Coupons to save even more on your purchases and make your Raya celebrations even brighter.

Related Coupons:

RAYAO - 50.0% OFF

Usage limit: 1 times

Applicable to all products

Expires: Jul 31, 2025

RAYA20 - 10.0% OFF

Usage limit: 998 times

Applicable to all products

Expires: Jul 30, 2025

FoodMart

Figure 9: The same page when user scroll down and they get more coupons

The screenshot shows the FoodMart website's cart interface. At the top, there is a navigation bar with links for Home, Order, Campaign, Logout, and a Cart icon indicating 2 items. Below the navigation is a banner featuring various fresh vegetables like broccoli, onions, and cucumbers, with the text "YOUR CART" overlaid in white. The main content area is divided into two panels: "Cart Items" on the left and "Order Summary" on the right.

Cart Items

Product	Price	Quantity	Total	Action
Avocados Creamy and Green	\$20.00	1	\$20.00	<button>Remove</button>
Broccoli Tasty and Nutritious	\$18.00	1	\$18.00	<button>Remove</button>

Order Summary

Coupon Code: Apply

Coupon applied successfully!

Subtotal: \$38.00
Discount: -\$19.00
Remove Coupon

Total: \$19.00

Proceed to Checkout

Figure 10: The cart interface allows users to review selected items, apply coupon codes and view the updated total with discounts before proceeding to checkout.

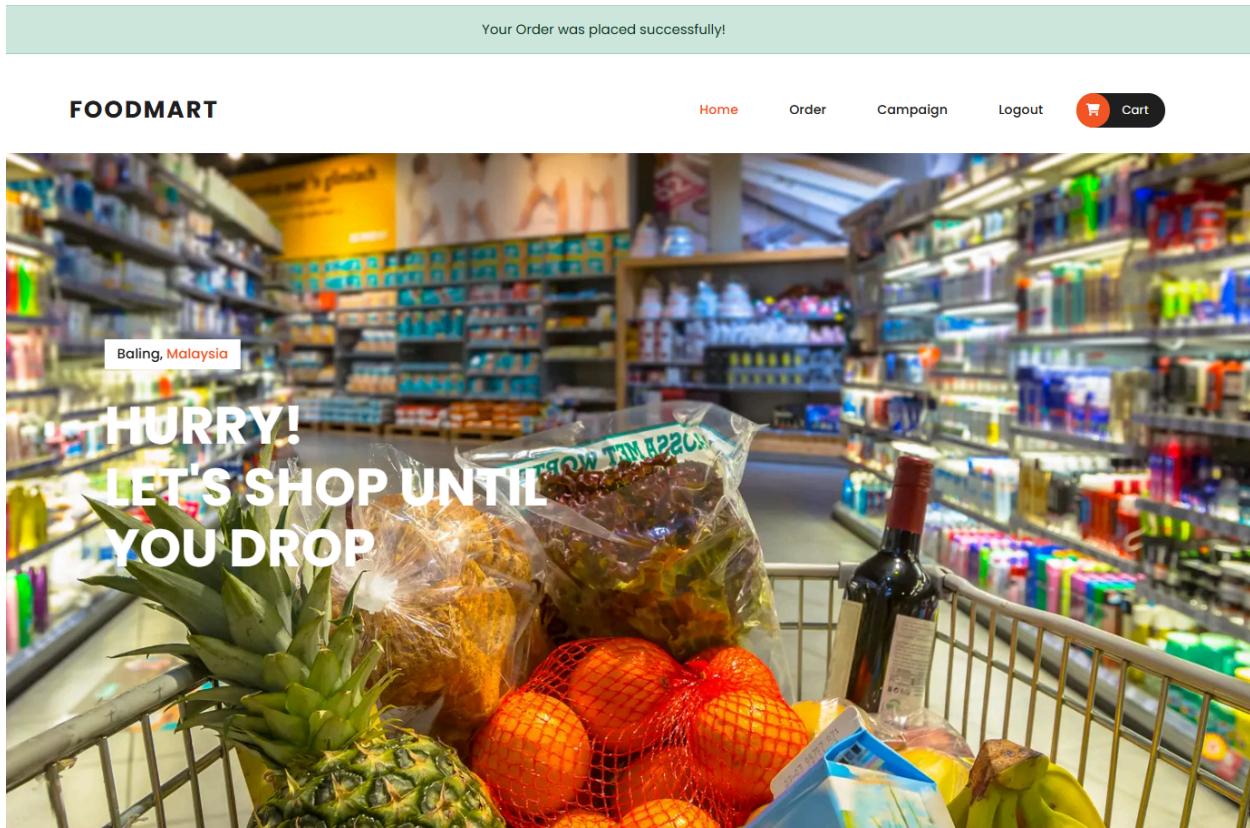


Figure 11 : The FoodMart homepage interface, offering easy navigation for users to browse, order and view their cart. A success confirms order placement.

4.3 ADMINISTRATOR FUNCTIONS

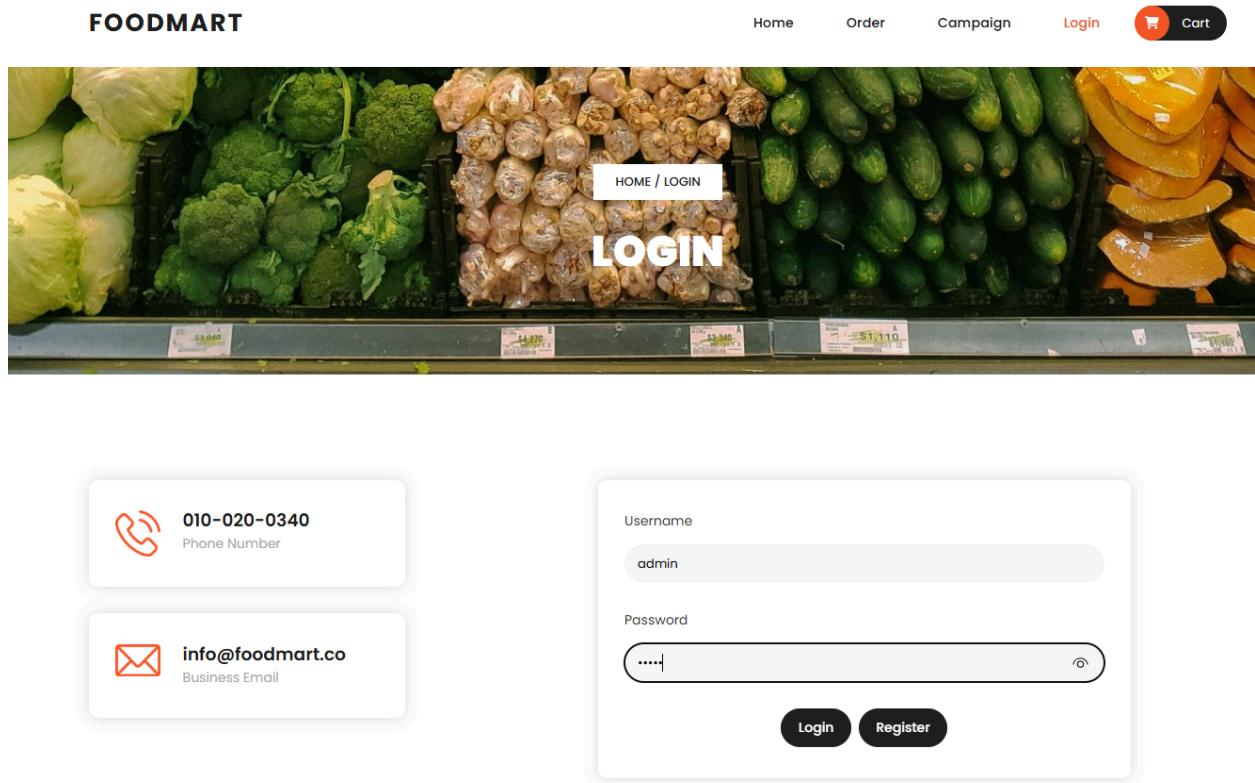
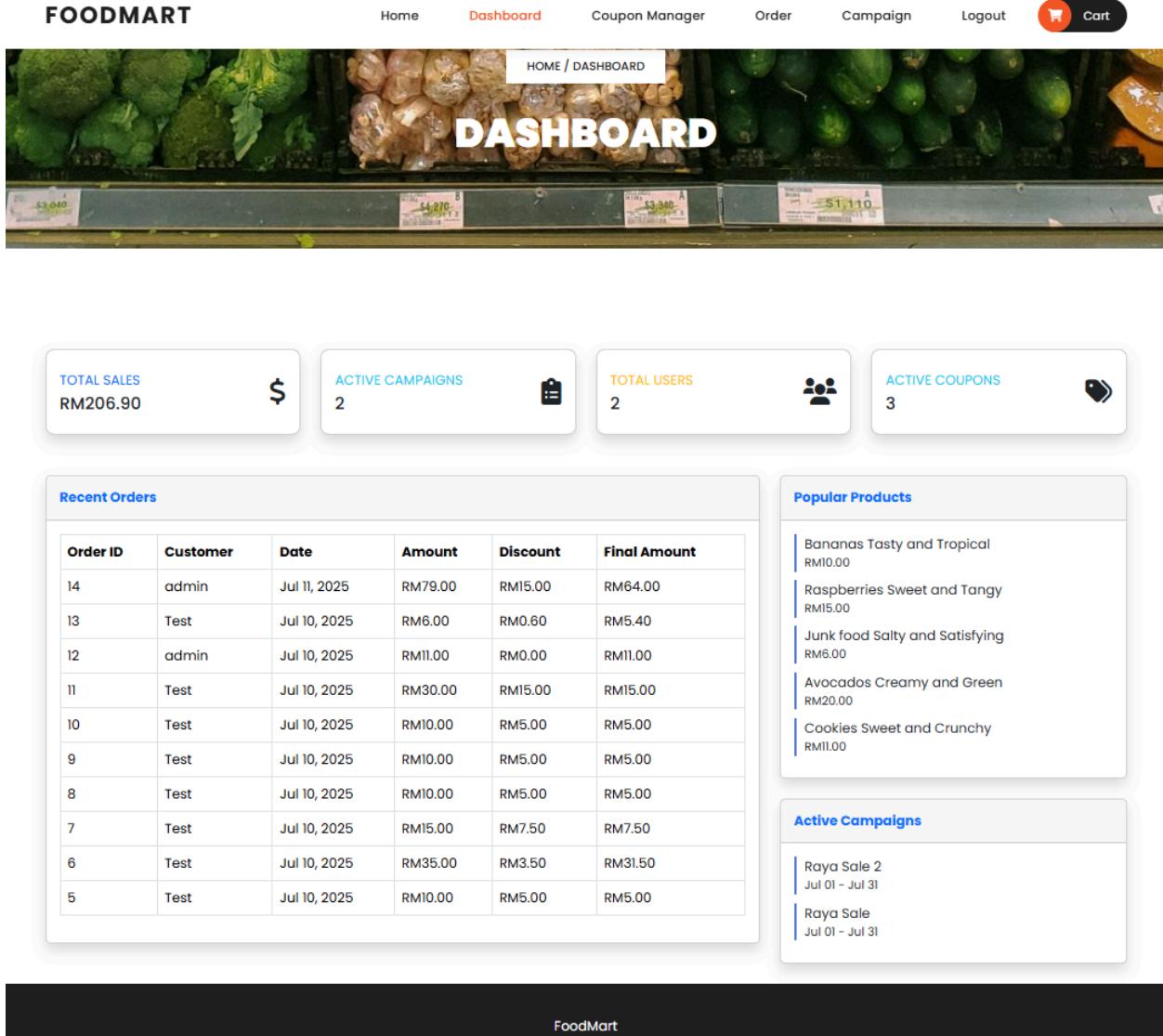


Figure 12: The login and registration interface where users can sign in or create a new account by selecting 'Register'.



The screenshot shows the FoodMart Admin Dashboard. At the top, there is a navigation bar with links: Home, Dashboard (which is the active page), Coupon Manager, Order, Campaign, Logout, and a Cart icon with a count of 2.

The main header features a background image of a grocery store shelf with vegetables and a prominent "DASHBOARD" title. Below the header are four summary cards:

- TOTAL SALES**: RM206.90 (with a dollar sign icon)
- ACTIVE CAMPAIGNS**: 2 (with a clipboard icon)
- TOTAL USERS**: 2 (with a user icon)
- ACTIVE COUPONS**: 3 (with a tag icon)

Two main content sections are displayed below these cards:

- Recent Orders**: A table showing a list of recent orders with columns: Order ID, Customer, Date, Amount, Discount, and Final Amount. The data is as follows:

Order ID	Customer	Date	Amount	Discount	Final Amount
14	admin	Jul 11, 2025	RM79.00	RM15.00	RM64.00
13	Test	Jul 10, 2025	RM6.00	RM0.60	RM5.40
12	admin	Jul 10, 2025	RM11.00	RM0.00	RM11.00
11	Test	Jul 10, 2025	RM30.00	RM15.00	RM15.00
10	Test	Jul 10, 2025	RM10.00	RM5.00	RM5.00
9	Test	Jul 10, 2025	RM10.00	RM5.00	RM5.00
8	Test	Jul 10, 2025	RM10.00	RM5.00	RM5.00
7	Test	Jul 10, 2025	RM15.00	RM7.50	RM7.50
6	Test	Jul 10, 2025	RM35.00	RM3.50	RM31.50
5	Test	Jul 10, 2025	RM10.00	RM5.00	RM5.00

- Popular Products**: A list of products with descriptions and prices:
 - Bananas Tasty and Tropical RM10.00
 - Raspberries Sweet and Tangy RM15.00
 - Junk food Salty and Satisfying RM6.00
 - Avocados Creamy and Green RM20.00
 - Cookies Sweet and Crunchy RM11.00
- Active Campaigns**: A list of current promotions:
 - Raya Sale 2 Jul 01 - Jul 31
 - Raya Sale Jul 01 - Jul 31

At the bottom center of the dashboard is the "FoodMart" logo.

Figure 13: The admin dashboard displaying key stats such as total sales, users and recent orders for system monitoring

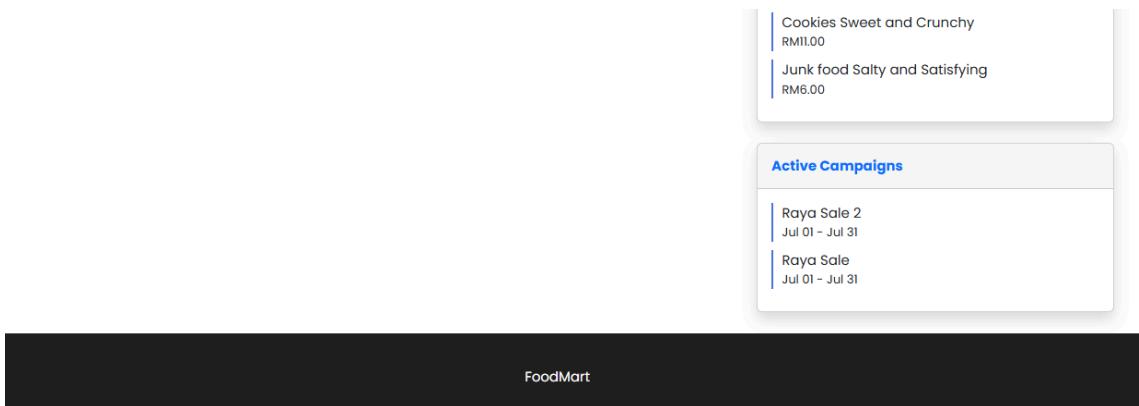


Figure 14: User can watch more active campaigns when scroll down

The screenshot shows the 'FoodMart' dashboard with several sections. At the top, there is a navigation bar with links: Home, Dashboard, Coupon Manager, Order, Campaign, Logout, and a Cart icon. Below the navigation bar is a 'History' section with a 'Create New' button. The main content area is divided into two main sections: 'Coupon History' and 'Campaign History'. The 'Coupon History' section displays a table of three coupons with columns: Code, Type, Value, Expires, Usage Limit, Campaign, Status, and Actions. The 'Campaign History' section displays a table of two campaigns with columns: Name, Description, Period, Status, and Actions. Both tables include edit and delete buttons for each row. A dark navigation bar at the bottom of the content area has the word 'FoodMart' in white.

Code	Type	Value	Expires	Usage Limit	Campaign	Status	Actions
RAYA15	FIXED	\$15.0	Aug 08, 2025	3	Raya Sale 2	Active	<button>Edit</button> <button>Delete</button>
RAYAO	PERCENT	50.0%	Jul 31, 2025	1	Raya Sale	Active	<button>Edit</button> <button>Delete</button>
RAYA20	PERCENT	10.0%	Jul 30, 2025	998	Raya Sale	Active	<button>Edit</button> <button>Delete</button>

Name	Description	Period	Status	Actions
Raya Sale 2	The Raya joy continues with Raya Sale 2! We're bringing you even more discounts, flash deals, and special offers to make this festive season extra special. Enjoy exclusive coupons and massive savings on a wide range of products. From clothes to gadgets and everything in between, now's the time to treat yourself (or someone special) without breaking the bank. Plus, shop conveniently from home and enjoy exclusive deals you won't find anywhere else!	Jul 01, 2025 - Jul 31, 2025	Active	<button>Edit</button> <button>Delete</button>
Raya Sale	Celebrate the spirit of Raya with unbeatable discounts during our Raya Sale! From fashion to home goods, electronics to beauty essentials, enjoy incredible savings on your favorite products. Whether you're gearing up for the festivities or shopping for the new season, this is the perfect time to snag amazing deals. Use our exclusive Raya Coupons to save even more on your purchases and make your Raya celebrations even brighter.	Jul 01, 2025 - Jul 31, 2025	Active	<button>Edit</button> <button>Delete</button>

Figure 15: The Coupon and Campaign History interface displays active discount codes and promotional campaigns. Admin can view, edit or delete coupons and track campaign details, including period and status

[Show All](#)[Fruits](#)[Vegetables](#)[Others](#)



Raspberries Sweet and Tangy
\$15.0
Fresh organic raspberries



Bananas Tasty and Tropical
\$10.0
Premium bananas from Ecuador



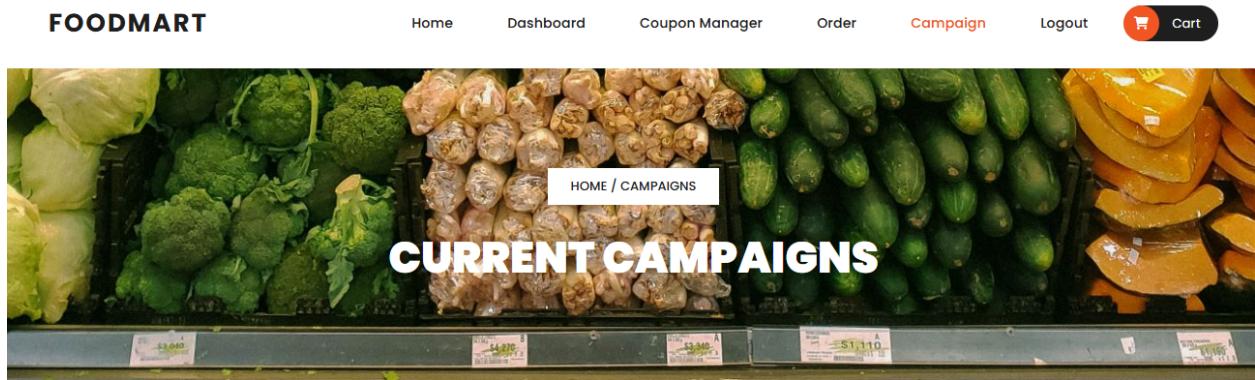
Avocados Creamy and Green
\$20.0
Hass avocados perfectly ripe

[Add to cart](#)

Figure 16 : In administration login, there also have order page and have same product like user login

	Broccoli Tasty and Nutritious \$18.0 Fresh green broccoli Add to cart		Tomatoes Sweet and Tangy \$21.0 Vine-ripened tomatoes Add to cart		Cucumbers Crunchy and Clean \$9.0 Organic English cucumbers Add to cart
	Milk Fresh and Pure \$5.0 Whole milk 1 gallon Add to cart		Junk food Salty and Satisfying \$6.0 Assorted snack mix Add to cart		Cookies Sweet and Crunchy \$11.0 Homemade chocolate chip Add to cart

Figure 17: There also another products when admin scroll down



The Raya joy continues with Raya Sale 2! We're bringing you even more discounts, flash deals, and special offers to make this festive season extra special. Enjoy exclusive coupons and massive savings on a wide range of products. From clothes to gadgets and everything in between, now's the time to treat yourself (or someone special) without breaking the bank. Plus, shop conveniently from home and enjoy exclusive deals you won't find anywhere else!

Related Coupons:

RAYA15 - RM15.0 OFF

Usage limit: 3 times

Applicable to: Tomatoes Sweet and Tangy

Expires: Aug 8, 2025

Figure 18: Admin also can apply for coupon that have a lot of related coupon

Celebrate the spirit of Raya with unbeatable discounts during our Raya Sale! From fashion to home goods, electronics to beauty essentials, enjoy incredible savings on your favorite products. Whether you're gearing up for the festivities or shopping for the new season, this is the perfect time to snag amazing deals. Use our exclusive Raya Coupons to save even more on your purchases and make your Raya celebrations even brighter.

Related Coupons:

RAYA0 - 50.0% OFF

Usage limit: 1 times

Applicable to all products

Expires: Jul 31, 2025

RAYA20 - 10.0% OFF

Usage limit: 998 times

Applicable to all products

Expires: Jul 30, 2025

FoodMart

Figure 19: When admin scroll down, there are also another two options of coupon.

5.0 CONCLUSION

The FoodMart system successfully demonstrates a fully functional e-commerce web application tailored for grocery shopping. It integrates core shopping features with promotional tools, providing value to both customers and administrators. By using JSP, JSTL and Bootstrap, the application ensures real-time interaction and responsive design. The system enhances operational efficiency, customer engagement and admin control, making it a suitable prototype for small-to-medium-scale online retail solutions.