



**DEPARTMENT OF INFORMATION TECHNOLOGY AND
COMMUNICATION**

**DIPLOMA IN INFORMATION TECHNOLOGY
(DIGITAL TECHNOLOGY)**

**BAKESTER
ORDERING SYSTEM**

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TABLE OF CONTENT

BIL.	CONTENT	PAGES
1.0	ABSTRACT	1
2.0	PROJECT PLAN	2
	2.1 Problem Statement	2
	2.2 Objective	2
	2.3 Scope	3
	2.4 Literature Review	5
	2.5 Methodology	7
	2.6 Gantt Chart	9
3.0	REQUIREMENT SPECIFICATION	10
	3.1 Functional Requirement	10
	3.2 Non-Functional Requirement	11
	3.3 Hardware and Software Requirement	12
	3.4 System Configuration	14
	3.5 Security Requirement	15
4.0	FINAL DESIGN	16
	4.1 Logical Design	16
	4.2 Physical Design	17
5.0	TEST DESCRIPTION AND RESULT	18
	5.1 Unit Testing Plan	18
	5.2 Integration Testing Plan	57
6.0	MAJOR FINDING AND DISCUSSION	58
	6.1 Advantages of the Project	58
	6.2 Disadvantages of the Project	59
7.0	RECOMMENDATION AND CONCLUSION	68
8.0	REFERENCES	69

1.0 ABSTRACT

The "BAKESTER" project is focused on designing and implementing a bakery booking system to address the challenges faced by Nazeeta D'cake House, owned by Mrs. Norazita Kadiman. The current manual methods of order-taking, such as WhatsApp and face-to-face communication, have led to communication errors, delays in order fulfilment, and missed orders, resulting in customer dissatisfaction and decreased profitability. The project aims to create a user-friendly web-based system that simplifies the ordering process, enhances customer satisfaction, and increases operational efficiency. The objective is to offer a seamless experience for customers to place their orders and for the bakery admin to manage orders and inventory efficiently. To achieve this, the project will follow the Agile methodology, which is flexible and collaborative, allowing for effective project management and delivery within the given 2-month timeframe. The expected outcome of the project is a captivating 3D interface that inspires customers to purchase their favourite baked goods directly from the Bakester website, along with a notification system to keep customers informed about their status order.

2. PROJECT PLAN

2.1 INTRODUCTION

"BAKESTER" is a project aimed at helping Nazeeta D'cake House. The project focuses on creating a user-friendly online platform for customers to easily place their bakery orders. Currently relying on manual methods like WhatsApp and face-to-face ordering, the bakery faces challenges like communication errors and delays. With the new system, customers can place orders conveniently, and the bakery admin can efficiently manage orders and inventory through a dedicated portal. The project aims to enhance customer satisfaction, streamline operations, and provide an efficient solution for ordering baked goods.

The client, Mrs. Norazita Kadiman, the owner of Nazeeta D'cake House, is passionate about baking and wants to develop a web-based system that offers a seamless experience for her customers. To ensure accessibility for her elderly customers, the system will be user-friendly and easy to navigate. "BAKESTER" will bring benefits like streamlined ordering, improved customer satisfaction, enhanced inventory management, and increased operational efficiency. The addition of a notification feature will keep customers informed about successful order placements, while also alerting the bakery admin about new orders for timely attention and effective order management.

2.2 PROBLEM STATEMENT

The problem statement of this project are as follows:

- a. Customers still use manual methods such as writing in logbooks to receive orders from their customers.
- b. The client still uses the WhatsApp method in taking orders and has caused errors in communication, delays in fulfilling orders and unanswered orders.
- c. The bakery is currently facing challenges in meeting customer needs and maintaining efficient operations, resulting in customer dissatisfaction and decreased profitability.

2.3 OBJECTIVE

The objective of this project:

- a. The system aims to simplify the ordering process by providing an online platform.
- b. The system should provide a notification system to alert customers when their orders are ready.
- c. Create a 3D interface that captivates customers and inspires them to purchase their favourite baked goods directly from the website.

2.4 PROJECT SCOPE

The project scope of this project are as follows:

2.4.1 User's Scope

Customer

- a. Customers can view the list of bakery products available for order.
- b. Customers can select desired bakery items, specify quantity, and place orders.
- c. Customers can edit or cancel placed orders.
- d. Customers can check the status of their orders, whether they are confirmed, in progress, or delivered.
- e. Customers can access their order history to review past purchases.
- f. Customers can review and ratings for bakery products or services.

Bakery Admin

- a. Admin can add, edit, and remove bakery products from the menu.
- b. Admin can view and update the status of customer orders.
- c. Admin can accept or reject booking requests made by customers.
- d. Admin can track and update the availability of bakery products.
- e. Admin can view and manage customer information, such as contact details and order history.
- f. Admin can generate sales reports, or receipts.
- g. Admin can configure system preferences, such as operating hours.
- h. Admin can send notifications and updates to customers.

2.4.2 SYSTEM SCOPE

- a. **Ordering Process:** This involves the various ways customers can place orders, such as through a website, phone calls, or in-person. It includes the management of customer information and order details.
- b. **Menu Management:** This involves the management of the bakery menu, including the creation and modification of items, pricing, and availability.
- c. **Tracking Process:** Customers can know if their order is already finished because if the order is still in process the system will let customers know and if their order is already done customers can pick it up or wait for it to be delivered.

2.5 LITERATURE REVIEW

The existing system is compared with another existing project. By making this comparison we will be able to see the points of interest and the drawbacks for each of the projects.

Logo	 GULA CAKERY	 KOBO BAKERY	 TK BAKERY
Link	https://www.gulacakery.com	https://kobobakery.com	https://www.tk2you.com/
Programming Language	HTML	HTML, JavaScript	HTML, JavaScript
Advantages (Features)	• Have an outlet. • Can make a reservation at the restaurant. • Be optimized for local search.	• Have both application and website. • Have an outlet. • User can send the message at the contact form.	• Have a membership price. • Have an e-wallet function. • Locate TK outlets near you
Disadvantages (Features)	• Hard to use the website for first time user. • The interface is making the audience less interested. • Improper arrangement of submenu	• Doesn't have add to cart function. • Slow loading speed • Can't buy products through the website	• Could not show the balance. • Poor security for E-Payment • Delivery is not always available
Platform	Website	Website	Application

Table 1.0 Literature Review

Based on the comparison between GULA CAKERY, KOBO BAKERY, and TK BAKERY, it is evident that each system has its respective strengths and weaknesses. GULA CAKERY faces challenges with user-friendliness and interface design, KOBO BAKERY lacks essential features like an "add to cart" function and has slow loading speed, and TK BAKERY encounters issues with transparency, security, and delivery options. Given the opportunity to build the Bakester system with careful consideration of these shortcomings, there is a chance to create a user-friendly, feature-rich, and reliable platform that can potentially surpass the existing systems in providing an enhanced and efficient online bakery system.

2.6 METHODOLOGY

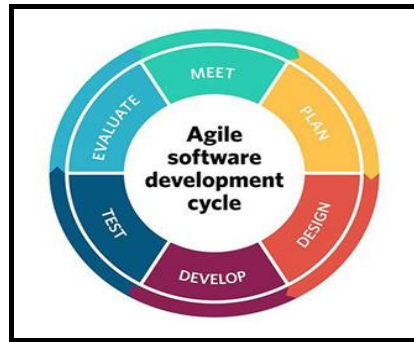


Figure 2.1 - Agile Cycle

The methodology has chosen is Agile. It is very flexible and collaborative for software development that can focus on existing projects and add over time. The reason Bakester group chose this methodology is that it is beneficial for projects that need to be done in a brief period as our period is 2 months. It goes a long way in helping teams manage and deliver projects effectively within given constraints.

Flexibility and Adaptability: Have flexibility and adaptability by accepting changes throughout the project process. Where existing ideas can change and continuous improvement throughout the project.

Customer Approach: Can cooperate and can give satisfaction to customers. It involves stakeholders, such as product owners and end users in the development process allowing this feedback to continue. This ensures that the final product is in line with the customer's expectations.

Good Communication and Collaboration: Able to work efficiently in a project team. This can help with information sharing, problem solving and sharing opinions. This can foster a collaborative environment where team members can work together effectively and can use each other's expertise.

Risk Reduction: This can help in reducing project risks by addressing them in stages and proactively. By delivering working software in short iterations, risks can be shown and addressed earlier.

NO.	PHASE	ACTIVITIES
1.	Meet	• Identify the problem and objectives of the client. • Determine project goals. • Identify who the project's customer is.
2.	Planning	• Collaborate with project clients. • Identify what the client wants for the project
3.	Design	• Collaborate with project clients on appropriate project interfaces. • Draft design with customer requirements
4.	Development	• Carry out project planning according to the client's decision. • Hold meetings with clients to improve projects. • Develop and test software for continued functionality. • Every process includes testing, and the final product must also undergo final testing
5.	Testing	• Teams need to work together to ensure the software remains functional. • Conduct tests on products to verify functionality and identify bugs or defects and make necessary improvements.
6.	Evaluate	• Show completed work to stakeholders for feedback and approval. • Collect feedback for future improvements

Table 2.0 Methodology

2.7 GANTT CHART

The following image illustrates the project schedule for the system development.

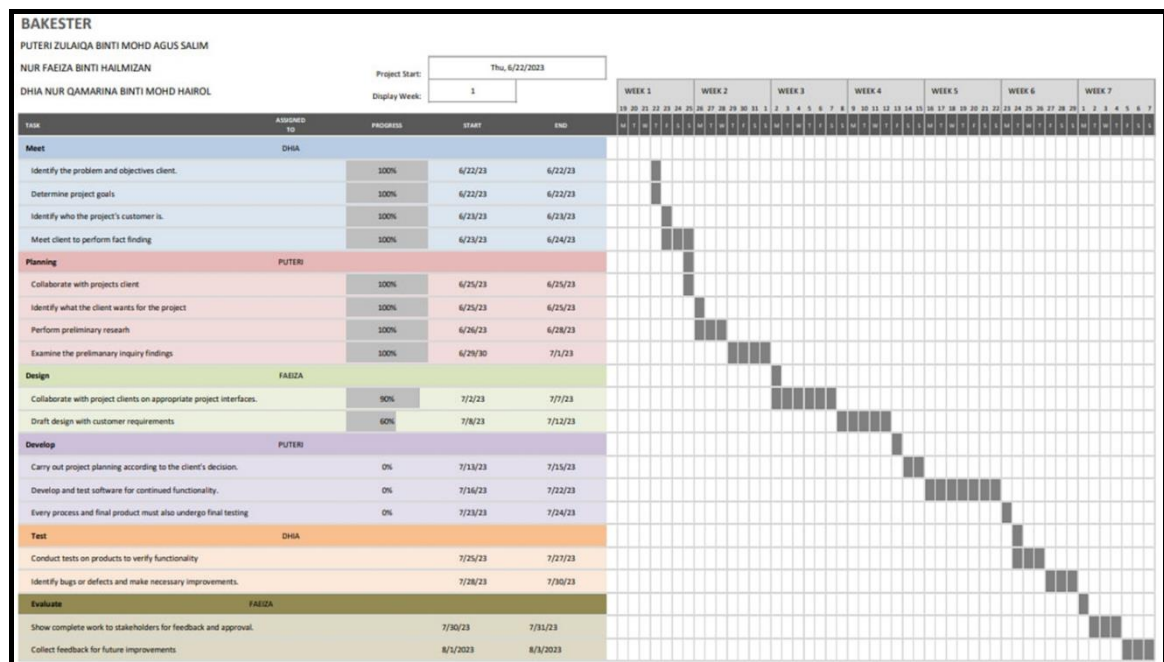


Figure 2.2 - Gantt Chart

3.0 REQUIREMENT SPECIFICATION

3.1 FUNCTIONAL REQUIREMENT

The functional requirements of this system are as follows:

User Requirements:

- a Customers should be able to view a comprehensive list of bakery products available for order.
- b Customers need the ability to select desired bakery items, specify the quantity, and place their orders easily.
- c Customers should have the option to edit or cancel orders before they are confirmed or delivered.
- d It should be possible for customers to check the real-time status of their orders (confirmed, in progress, or delivered).
- e Customers require access to their order history to review their past purchases conveniently.
- f Customers want the ability to provide reviews and ratings for bakery products or services they have experienced.

System Requirements:

- a. **User-Friendly Interface:** The system should have an intuitive and user-friendly interface for both customers and administrators.
- b. **Product Management:** The system should allow administrators to add, edit, and remove bakery products from the menu easily.
- c. **Order Management:** The system needs to handle order processing efficiently, allowing administrators to view and update the status of customer orders.
- d. **Booking Requests:** Administrators should have the ability to accept or reject booking requests made by customers.
- e. **Inventory Management:** The system must track and update the availability of bakery products to prevent overselling and ensure accurate stock management.
- f. **Sales Reporting:** The system should be capable of generating sales reports or receipts for tracking business performance.
- g. **Security and Privacy:** The system must ensure the security and privacy of customer data and sensitive information.

3.2 NON-FUNCTIONAL REQUIREMENT

- a. **Usability:** The system should be straightforward and user-friendly, avoiding any complexities in its usage.
- b. **Reporting and Analytics:** The admin interface should provide comprehensive sales reports and receipts to help the bakery management analyse business performance and make informed decisions.
- c. **Reliability:** The system should be highly reliable, ensuring that customers can access the product list, place orders, and check their order status without experiencing frequent downtime or disruptions. The admin interface should be stable and consistent to enable smooth management of bakery products and customer orders.

3.3 HARDWARE AND SOFTWARE REQUIREMENT

The following table presents the necessary hardware and software specifications and their corresponding prices utilised during the development and implementation of the system.

Hardware Requirements:

NO.	HARDWARE	SPECIFICATION	PRICE
1.	DELL LAPTOP Inspiron 153000 (Puteri's Laptop)	• AMD Athlon Silver 3050U with Radeon Graphics • 2.30 GHz • 4.00 GB RAM • 64-bit operating system, x64-based processor	RM 2000
2.	ASUS LAPTOP (Faeiza's Laptop)	• AMD A9-9425 RADEON R5, 5 COMPUTE CORES 2C+3G. • 3.10 GHz • 4.00 GB RAM • 64-bit operating system, x64-based processor	RM2100
3.	HONOR LAPTOP (Dhia's Laptop)	• AMD Ryzen 5 5500U • GPU: AMD Radeon graphics • 8GB Ram DDR4 3200 • 256GB / 512GB SSD	RM 2300
4.	MODIFIED ROUTER	• Support 4G LTE network & 3G network • Maximum up to 150mbps. • Maximum 30 users' connection to this router. • Support up 4 LAN Cable connections. RM 102.00	RM102.00

Software Requirements:

NO.	SOFTWARE	SPECIFICATION	PRICE
1.	CANVA	• CPU At least 1GHz (dual core) • 1 GB (4GB recommended) • Windows 10	Open source
2.	SUBLIME		Open source
3.	XAMPP		Open source
4.	NAMECHEAP/	• 24/7 Customer Support • Personal Data Privacy • Extra Reliability and Security	RM 27.07
5.	MICROSOFT OFFICE		RM 12.99
6.	TEMPLATE	• Layered PSD, PHP Files, HTML Files, CSS Files, JS Files	RM 36.45
7.	SKETCHFAB	• For 3D interface	Open source
TOTAL			RM 6677.80

Table 3.0 Hardware Software Requirement

3.4 SYSTEM CONFIGURATION

XAMPP: This is the main software we will be using, which includes Apache (web server) and MySQL (database).

- Apache: Responsible for hosting and serving the website.
- MySQL: Used for managing the database and storing data.

Hardware:

- a. Laptop/Computer: Any laptop or computer with decent specifications can be used to develop and run the system.
 - Processor: Dual-core or higher
 - RAM: 4GB or higher
 - Storage: Sufficient free space for software and data storage
 - Internet Connection: Required for downloading XAMPP and accessing external resources.
- b. Mobile Phone: Any modern smartphone with internet connectivity can be used to access the system as a user or client.
 - Operating System: Android or iOS
 - Internet Connection: Wi-Fi or mobile data
- c. Tablet/Tab: Tablets with internet connectivity can also be used to access the system.
 - Operating System: Android or iOS
 - Internet Connection: Wi-Fi or mobile data

3.5 SECURITY REQUIREMENT

The security requirement / exceptional handling that applied in this system are:

Account:

- a. Users need to create an account to place an order on the bakery website.

Login:

- a. Users must enter their email and password to place an order on our website.
- b. If the email is not existed in the system user must register first before login.

Register:

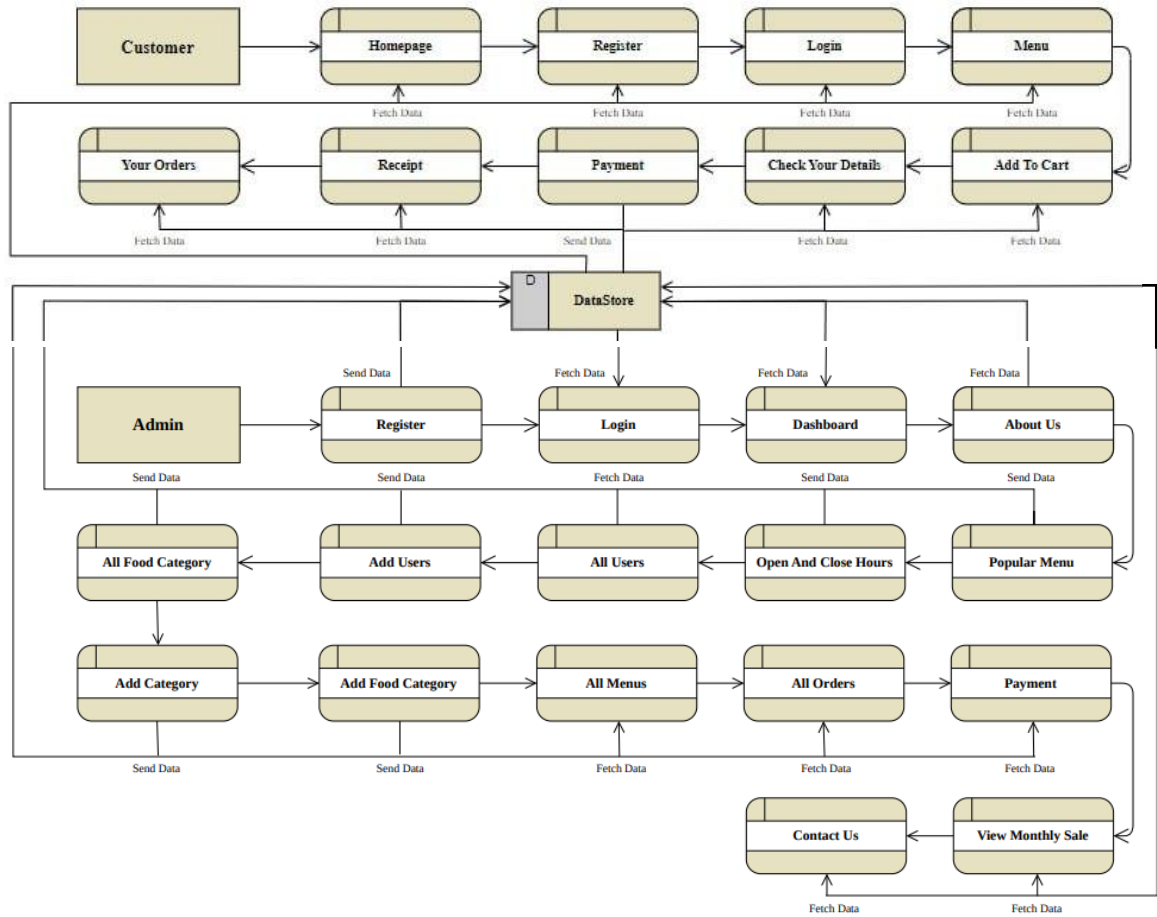
- a. Users can register for the system by providing their username, first name, last name, phone number, address, email, password, and confirm password.
- b. If the user fails to provide information in the required fields, the system will display a red indicator to prompt the user to fill in the necessary information. The password and confirm password fields must match.
- c. The email input field has validation to ensure that the user provides a valid email address containing the '@' symbol.

Password:

- a. To keep your passwords safe, we use advanced encryption techniques before storing them in our system. This means that your passwords are converted into a secret code that is nearly impossible for anyone to read.
- b. To ensure secure security for user accounts, passwords must meet specific complexity criteria. A strong password is one that contains a combination of special characters (e.g. !@#\$%^&*), lowercase letters, uppercase letters, and at least one number.

4.0 FINAL DESIGN

4.1 LOGICAL DESIGN



4.2 PHYSICAL DESIGN

This section provides the actual design of the developed system.

4.2.1 Admin Login

The admin login page serves as a secure gateway for authorized personnel to access the backend of the system.

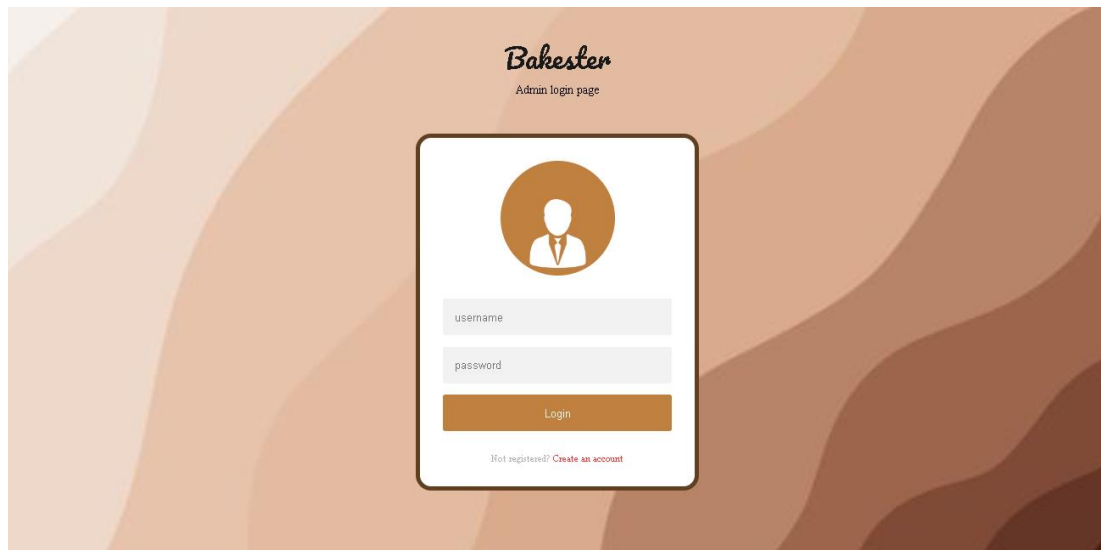


Figure 4.1 Login Interface

4.2.2 Admin Dashboard

Admin dashboard page is an informative interface designed specifically for administrator. On this page, admin can access key information briefly, such as menu, order, and customer details.

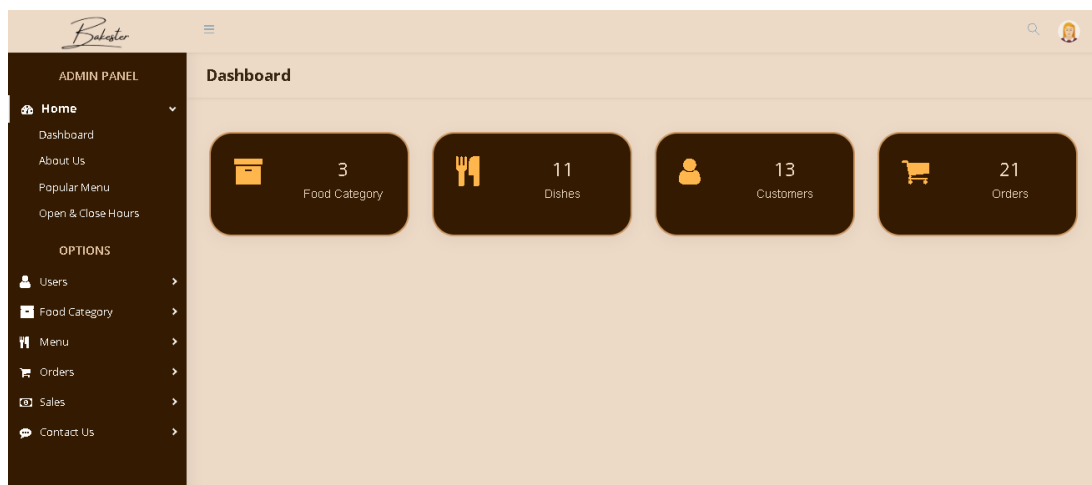
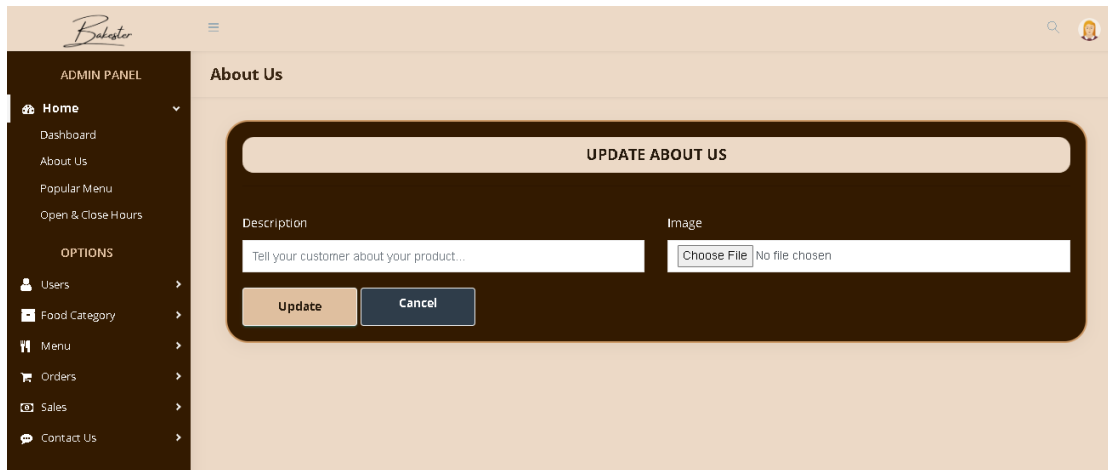


Figure 4.2 Dashboard Interface

4.2.3 About Us Admin

The "About Us" page in the admin dashboard allows administrators to easily update and maintain the information displayed on the public-facing "About Us" section of the bakery website.

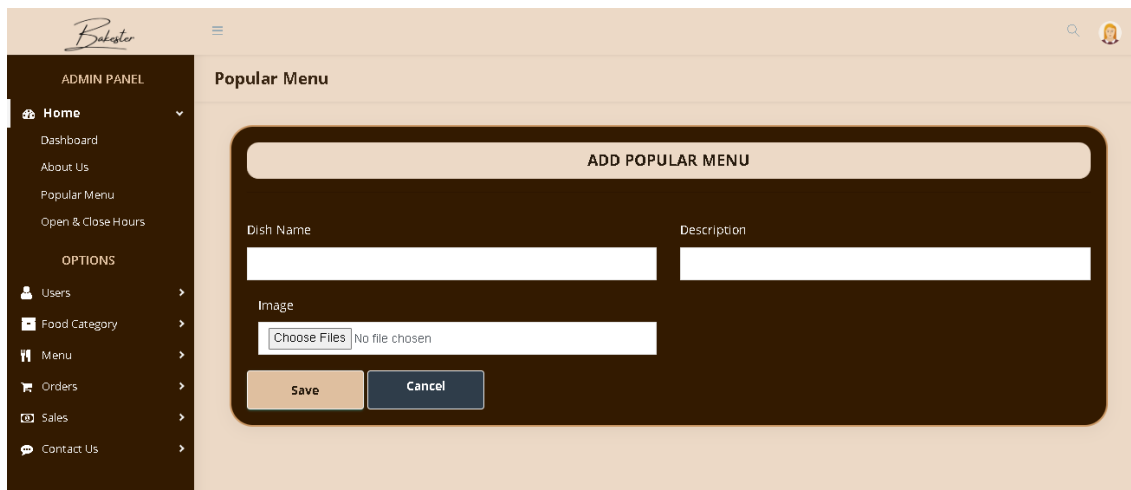


The screenshot displays the 'About Us Admin' interface. On the left is a dark sidebar with the 'ADMIN PANEL' containing links to Home, Dashboard, About Us, Popular Menu, and Open & Close Hours, followed by an 'OPTIONS' section with links to Users, Food Category, Menu, Orders, Sales, and Contact Us. The main content area is titled 'About Us' and features a form titled 'UPDATE ABOUT US'. This form has two input fields: 'Description' with the placeholder text 'Tell your customer about your product...' and 'Image' with a 'Choose File' button and the text 'No file chosen'. At the bottom of the form are 'Update' and 'Cancel' buttons.

Figure 4.3 About Us Admin Interface

4.2.4 Popular Menu Admin

The "Popular Menu" page in the admin dashboard allows administrators to easily update the list of popular bakery items that appear on the user-facing menu.

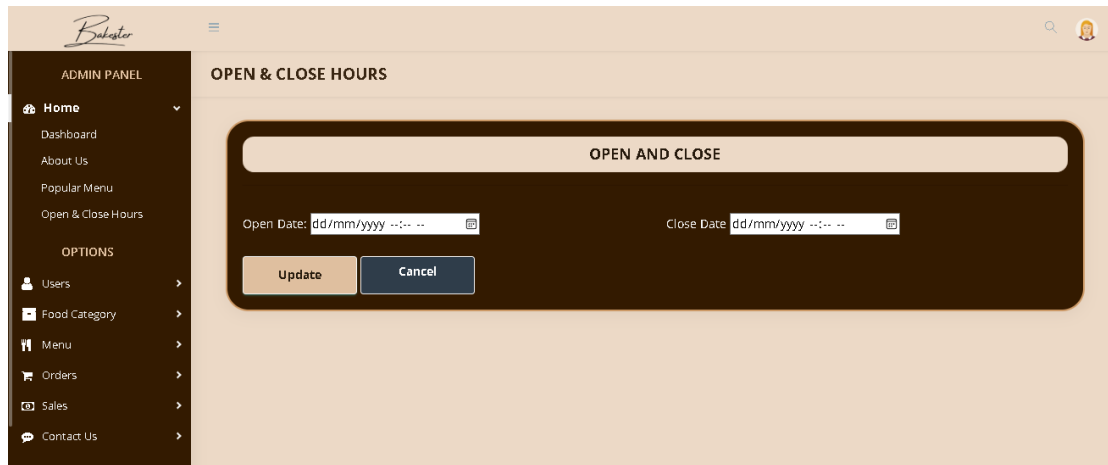


The screenshot displays the 'Popular Menu Admin' interface. It features the same sidebar as Figure 4.3. The main content area is titled 'Popular Menu' and contains a form titled 'ADD POPULAR MENU'. The form includes three input fields: 'Dish Name', 'Description', and 'Image'. The 'Image' field has a 'Choose Files' button and the text 'No file chosen'. At the bottom of the form are 'Save' and 'Cancel' buttons.

Figure 4.4 Popular Menu Admin Interface

4.2.5 Open and Close Hours Admin

The "Open & Close Hours" page in the admin dashboard allows administrators to easily update the bakery's website operating hours. On this page, the admin can specify the hours when the bakery will be open for business and when it will be closed.

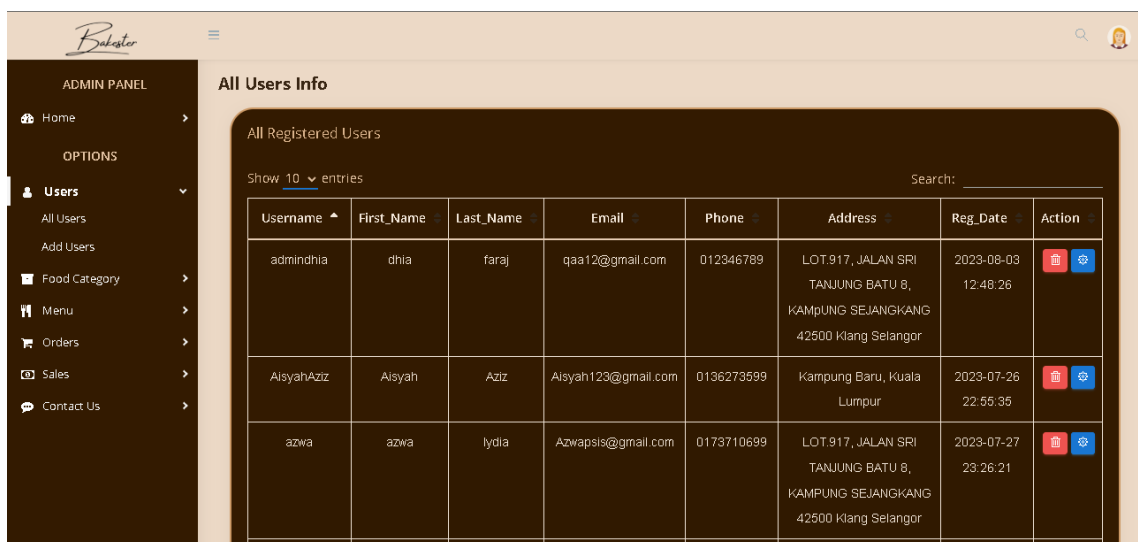


The screenshot shows the 'Open & Close Hours Admin' interface. The sidebar on the left includes an 'ADMIN PANEL' with 'Home' (Dashboard, About Us, Popular Menu, Open & Close Hours) and 'OPTIONS' (Users, Food Category, Menu, Orders, Sales, Contact Us). The main content area is titled 'OPEN & CLOSE HOURS' and features a form with two date pickers: 'Open Date' and 'Close Date', both set to 'dd/mm/yyyy --:-- --'. Below the date pickers are 'Update' and 'Cancel' buttons.

Figure 4.5 Open and Close Hours Admin Interface

4.2.6 All User's Admin

The "All Users" page in the admin dashboard allows administrator to have a comprehensive view of all the customers info registered on the bakery's website.



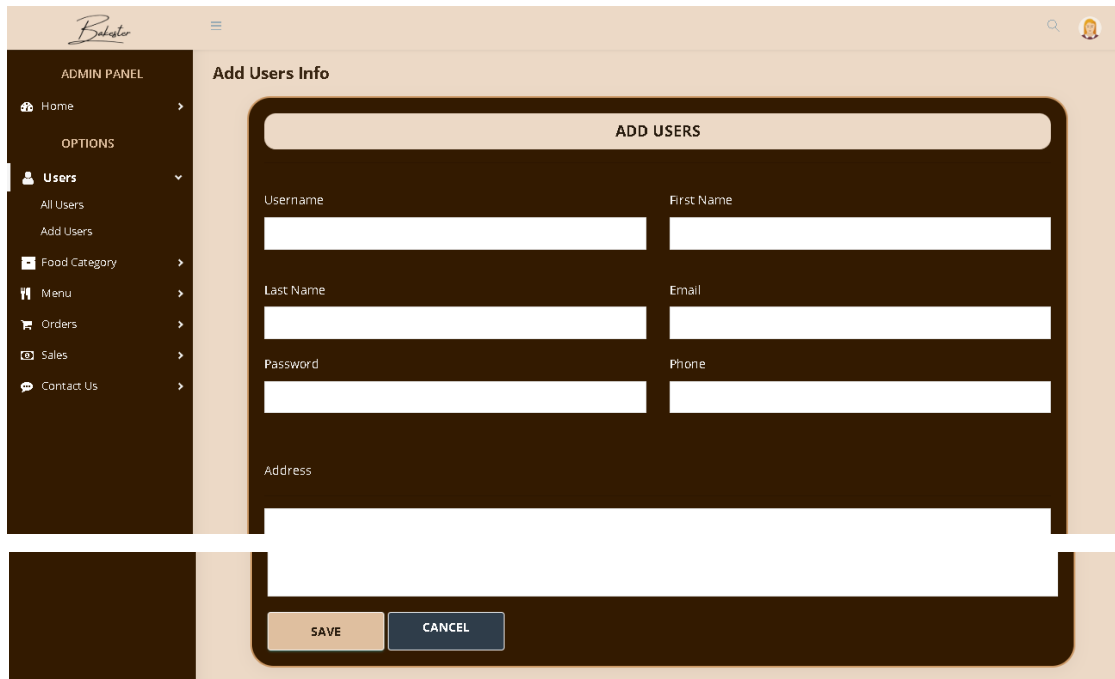
The screenshot shows the 'All Users Admin' interface. The sidebar on the left includes an 'ADMIN PANEL' with 'Home' (Dashboard, About Us, Popular Menu, Open & Close Hours) and 'OPTIONS' (Users, Food Category, Menu, Orders, Sales, Contact Us). The main content area is titled 'All Users Info' and contains a table of 'All Registered Users'. The table has columns: Username, First_Name, Last_Name, Email, Phone, Address, Reg_Date, and Action. There are three rows of user data.

Username	First_Name	Last_Name	Email	Phone	Address	Reg_Date	Action
admin dhia	dhia	faraj	qaa12@gmail.com	012346789	LOT.917, JALAN SRI TANJUNG BATU 8, KAMPUNG SEJANGKANG 42600 Klang Selangor	2023-08-03 12:48:26	 
AisyahAziz	Aisyah	Aziz	Aisyah123@gmail.com	0136273599	Kampung Baru, Kuala Lumpur	2023-07-26 22:55:35	 
azwa	azwa	lydia	Azwapsis@gmail.com	0173710699	LOT.917, JALAN SRI TANJUNG BATU 8, KAMPUNG SEJANGKANG 42600 Klang Selangor	2023-07-27 23:26:21	 

Figure 4.6 All User's Admin Interface

4.2.7 Add User's Admin

The "Add Users" page in the admin dashboard allows administrators to easily add new customers to the bakery's website.

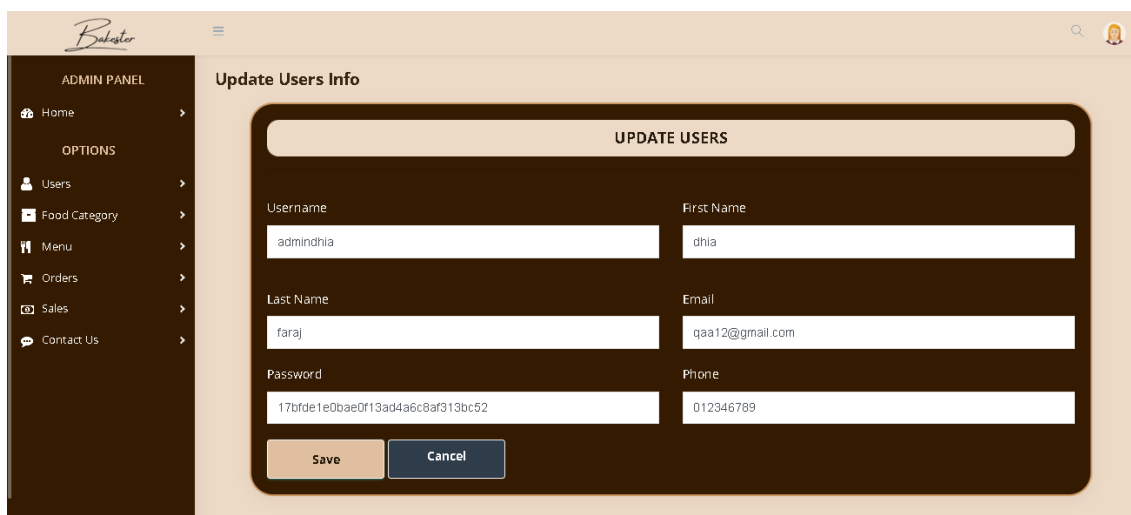


The screenshot shows the 'Add Users Info' page in the admin dashboard. On the left is a dark sidebar with the 'Bakster' logo at the top. Below the logo is an 'ADMIN PANEL' with links: Home, OPTIONS, Users (expanded), All Users, Add Users, Food Category, Menu, Orders, Sales, and Contact Us. The main content area is titled 'Add Users Info' and contains a form titled 'ADD USERS'. The form has input fields for Username, First Name, Last Name, Email, Password, Phone, and Address. At the bottom of the form are 'SAVE' and 'CANCEL' buttons.

Figure 4.7 Add User's Admin Interface

4.2.8 Update User's Admin

The "Update Users" page in the admin dashboard allows administrators to easily modify and update the information of existing customers on the bakery's website.



The screenshot shows the 'Update Users Info' page in the admin dashboard. The sidebar is identical to the previous figure. The main content area is titled 'Update Users Info' and contains a form titled 'UPDATE USERS'. The form has input fields for Username (containing 'adminhdia'), First Name (containing 'dhia'), Last Name (containing 'faraj'), Email (containing 'qaa12@gmail.com'), Password (containing '17bfde1e0bae0f13ad4a6c8af313bc52'), and Phone (containing '012346789'). At the bottom of the form are 'Save' and 'Cancel' buttons.

Figure 4.8 Update User's Admin Interface

4.2.9 All Food category Admin

The "All Food Category" page in the admin dashboard allows administrators to have a comprehensive view of all the dessert categories available on the bakery's website.

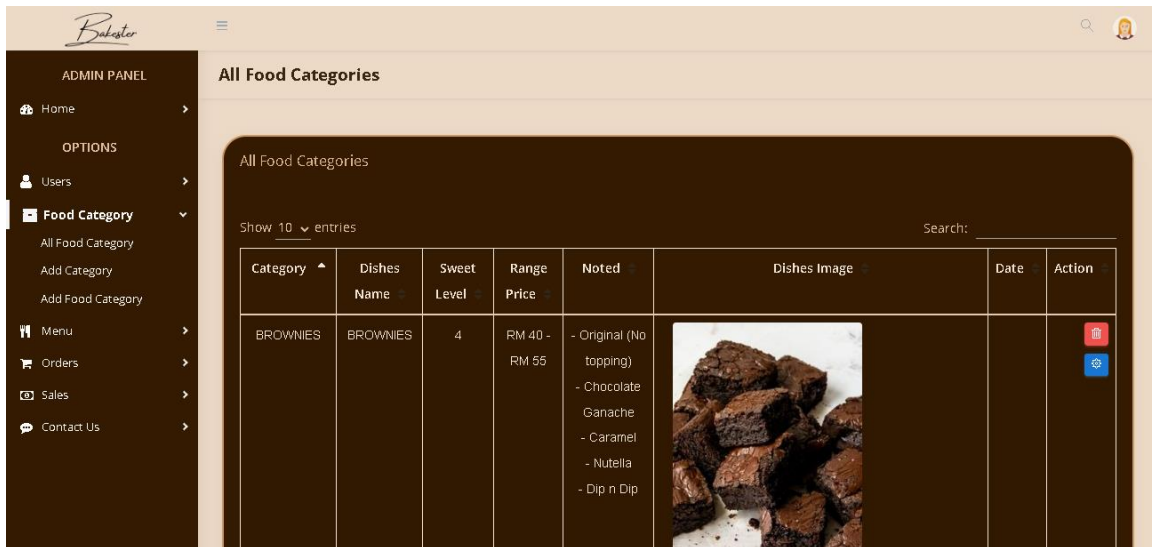


Figure 4.9 All Food Category Admin Interface

4.2.10 Add category Admin

The "Add Category" page in the admin dashboard allows administrators to add categories of dessert on the bakery's website.

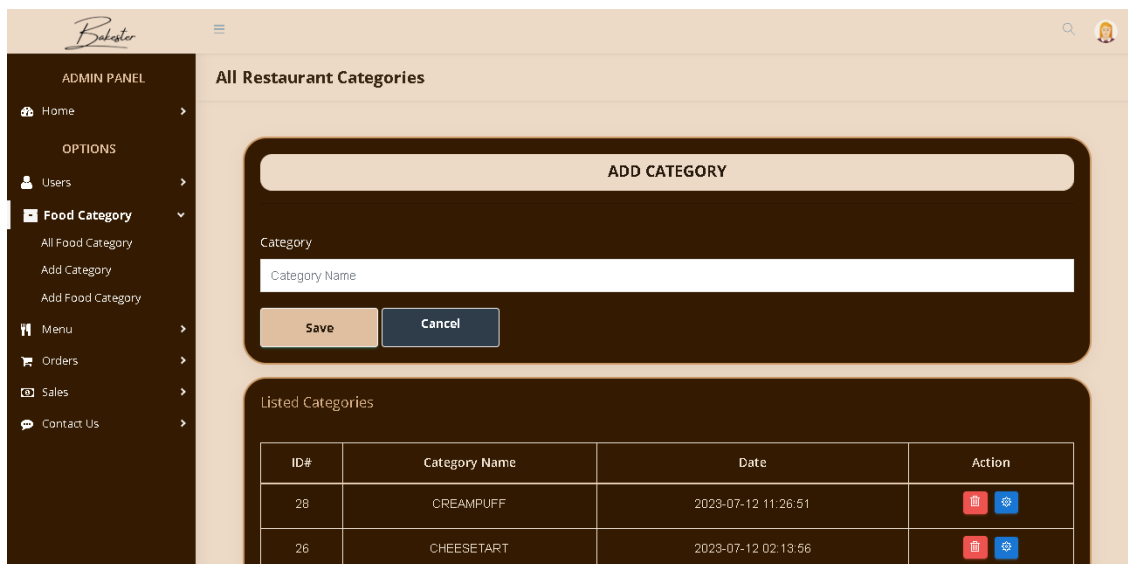
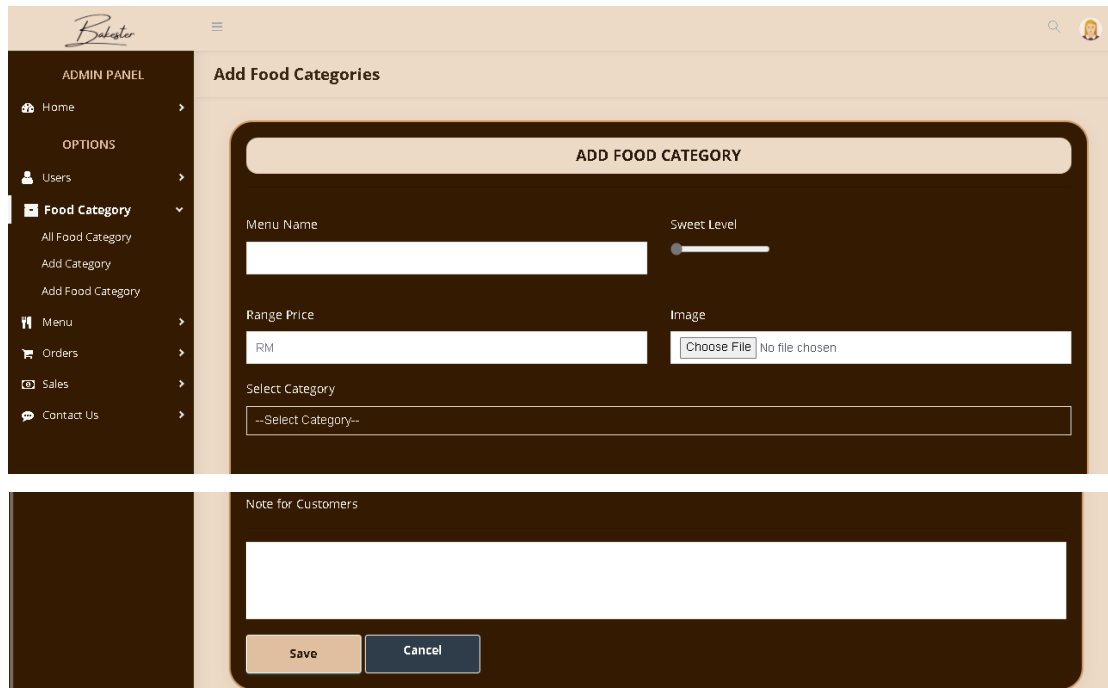


Figure 4.10 Add Category Admin Interface

4.2.11 Add Food Category Admin

The "Add Food Category" page in the admin dashboard allows administrators to add Dessert by categories on the bakery's website.

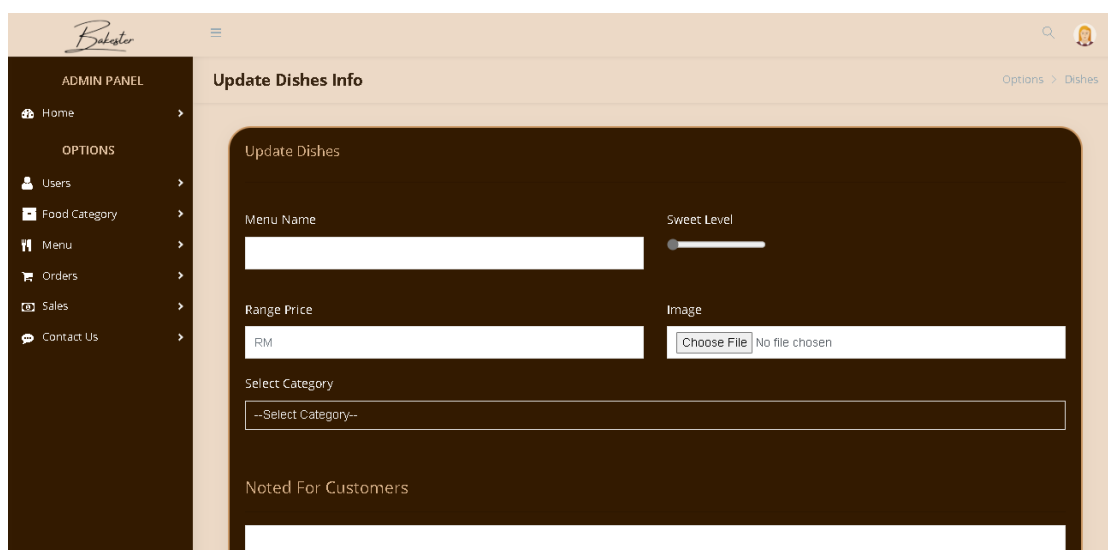


The screenshot shows the 'Add Food Categories' page in the Baker's admin dashboard. The left sidebar contains an 'ADMIN PANEL' with links to Home, Users, Food Category (expanded), Menu, Orders, Sales, and Contact Us. The 'Food Category' section is active, showing 'All Food Category', 'Add Category', and 'Add Food Category'. The main content area is titled 'Add Food Categories' and contains a form titled 'ADD FOOD CATEGORY'. The form has the following fields: 'Menu Name' (text input), 'Sweet Level' (range slider), 'Range Price' (text input with 'RM' placeholder), 'Image' (file upload button labeled 'Choose File' and 'No file chosen'), and 'Select Category' (dropdown menu with '--Select Category--'). Below the form is a 'Note for Customers' section with a large text area and 'Save' and 'Cancel' buttons.

Figure 4.11 Add Food Category Admin Interface

4.2.12 Update Food Category Admin

The "Update Food Category" page in the admin dashboard allows administrators to update Dessert by categories on the bakery's website.



The screenshot shows the 'Update Dishes Info' page in the Baker's admin dashboard. The left sidebar is identical to the previous screenshot. The main content area is titled 'Update Dishes Info' and contains a form titled 'Update Dishes'. The form has the following fields: 'Menu Name' (text input), 'Sweet Level' (range slider), 'Range Price' (text input with 'RM' placeholder), 'Image' (file upload button labeled 'Choose File' and 'No file chosen'), and 'Select Category' (dropdown menu with '--Select Category--'). Below the form is a 'Noted For Customers' section with a large text area.

Figure 4.12 Add Food Category Admin Interface

4.2.13 All Menu Admin

The "All Menu" page in the admin dashboard allows administrators to have a comprehensive view of all the menus available on the bakery's website.



Figure 4.13 All Menu Admin Interface

4.2.14 Add Menu Admin

The "Add Menu" page in the admin dashboard allows administrators to easily add new menus to the bakery's website.



Figure 4.14 Add Menu Admin Interface

4.2.15 Update Menu Admin

The "Update Menu" page in the admin dashboard allows administrators to easily update and modify their menus and the availability to the bakery's website.

ADMIN PANEL

Home

OPTIONS

Users

Food Category

Menu

Orders

Sales

Contact Us

Update Menu Info

Options > Menu

Update Menu for Dishes

Dish Name: Mini Size

Description: 16pcs/box

Price: 22.00

Image: Choose File No file chosen

Update the availability

☒ Available ☐ Out of Stock

Select Food Category

--Select Category--

Save Cancel

Figure 4.15 Update Menu Admin Interface

4.2.16 All Order Admin

The "All Order" page in the admin dashboard allows administrators to have a comprehensive view of all the customer orders received by the bakery websites.

ADMIN PANEL

Home

OPTIONS

Users

Food Category

Menu

Orders

All Orders

Payment

Sales

Contact Us

All Orders

All User Orders

Show 10 entries

Search:

User name	Dishes	Quantity	Price	Address	Status	Ordered Date	Action
azwa	Single Flavor (Oreo) (5), Original (5),	10	RM 78.00	LOT.917, JALAN SRI TANJUNG BATU 8, KAMPUNG SEJANGKANG 42500 Klang Selangor	On the Way!	2023-07-28 02:11:57	
Faeizahailimizan	Mini Size (1),	1	RM 22.00	LOT.917, JALAN SRI TANJUNG BATU 8, KAMPUNG SEJANGKANG, 42500, Klang, Selangor	Delivered	2023-08-03 11:34:16	
Faeizahailimizan	Mini Size (2),	2	RM 22.00	LOT.917, JALAN SRI TANJUNG BATU 8, KAMPUNG	On the Way!	2023-08-03	

Figure 4.16 All Order Admin Interface

4.2.17 Update Order Admin

The "Update Order" page in the admin dashboard allows administrators to easily modify the status of customer orders received by the bakery. This feature empowers the admin to update the order status as orders progress through different stages.



Figure 4.17 Update Order Admin Interface

4.2.18 Payment Admin

The "Payment Page" in the admin dashboard allows administrators to easily view the proof of payments made by customers for their orders. This page provides a comprehensive overview of all the payment transactions made by customers, including details such as payment method.

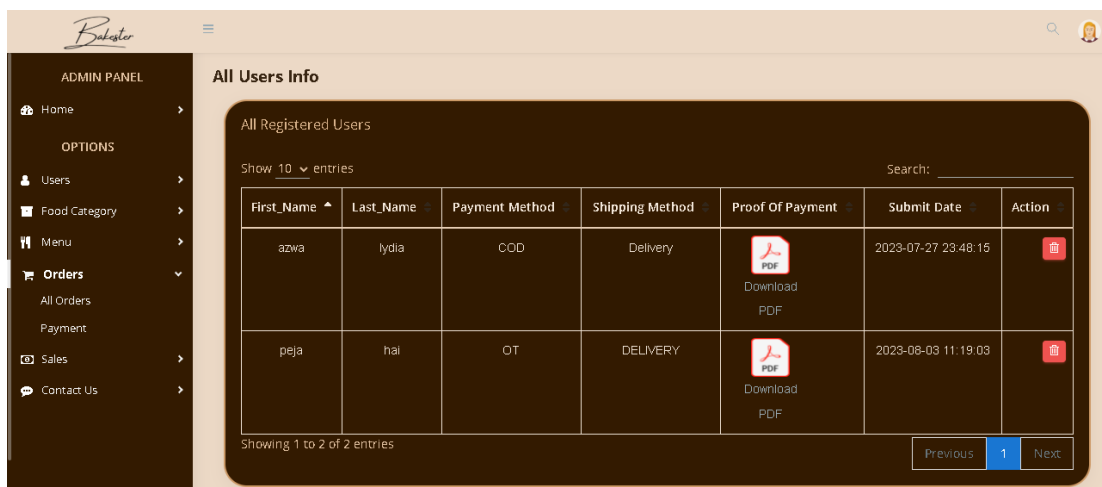
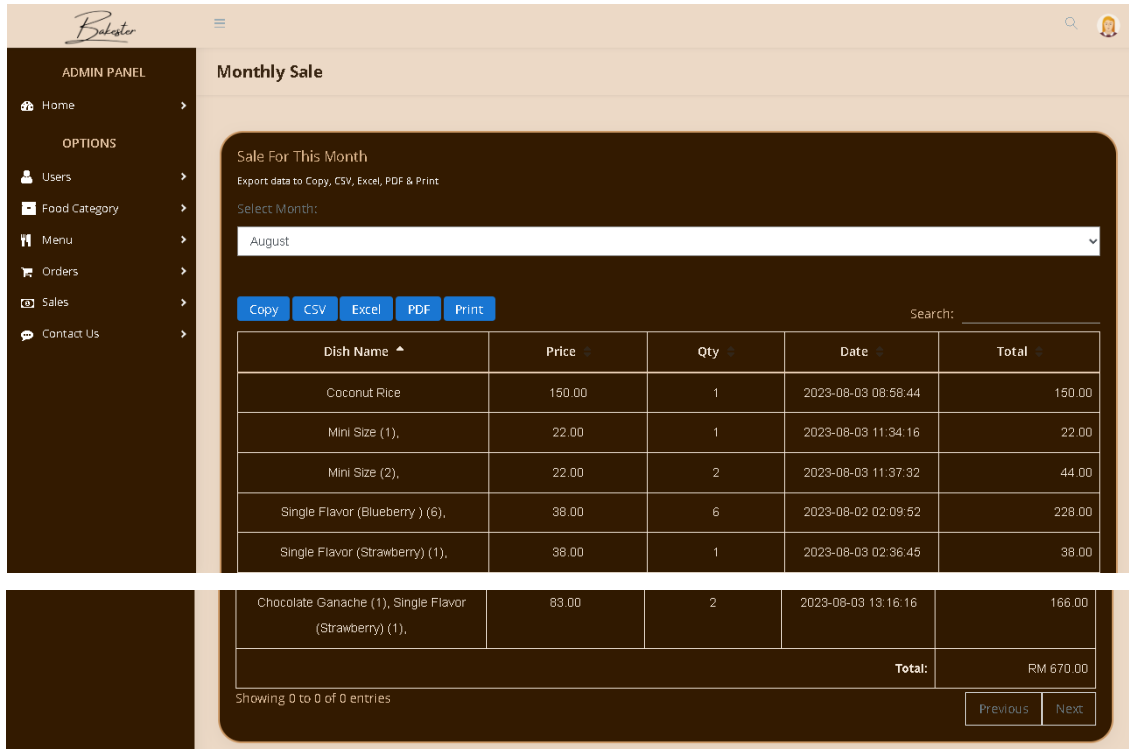


Figure 4.18 Payment Admin Interface

4.2.19 Sales Admin

The "Sales Page" in the admin dashboard allows administrators or managers to easily view their sales data categorized by months.



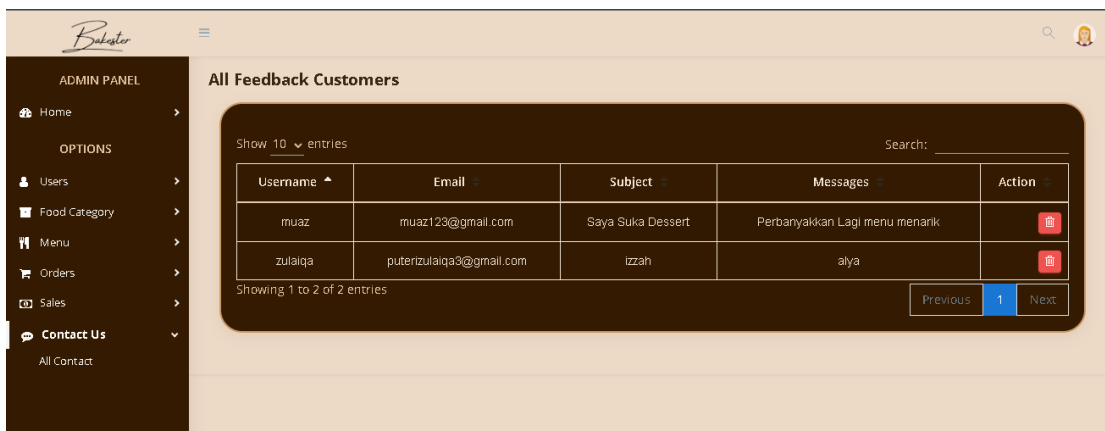
The screenshot displays the 'Monthly Sale' interface. It includes a sidebar with navigation options like Home, Users, Food Category, Menu, Orders, Sales, and Contact Us. The main content area shows a 'Sale For This Month' section with a dropdown menu set to 'August'. Below this is a table of sales data with columns for Dish Name, Price, Qty, Date, and Total. The table lists several items including Coconut Rice, Mini Size (1), Mini Size (2), Single Flavor (Blueberry) (6), Single Flavor (Strawberry) (1), and Chocolate Ganache (1), Single Flavor (Strawberry) (1). A total of RM 670.00 is shown at the bottom of the table.

Dish Name	Price	Qty	Date	Total
Coconut Rice	150.00	1	2023-08-03 08:58:44	150.00
Mini Size (1),	22.00	1	2023-08-03 11:34:16	22.00
Mini Size (2),	22.00	2	2023-08-03 11:37:32	44.00
Single Flavor (Blueberry) (6),	38.00	6	2023-08-02 02:09:52	228.00
Single Flavor (Strawberry) (1),	38.00	1	2023-08-03 02:36:45	38.00
Chocolate Ganache (1), Single Flavor (Strawberry) (1),	83.00	2	2023-08-03 13:16:16	166.00
Total:				RM 670.00

Figure 4.19 Sales Admin Interface

4.2.20 Contact Us Admin

The "Admin Contact Us" page allows administrators to access and manage customer inquiries. Administrators can view the contact details, messages, and ratings submitted by customers.



The screenshot displays the 'All Feedback Customers' interface. It includes a sidebar with navigation options like Home, Users, Food Category, Menu, Orders, Sales, and Contact Us. The main content area shows a table of customer feedback with columns for Username, Email, Subject, Messages, and Action. The table lists two entries: muaz (muaz123@gmail.com) and zulaiqa (puterzulaiqa3@gmail.com). A total of 2 entries is shown at the bottom of the table.

Username	Email	Subject	Messages	Action
muaz	muaz123@gmail.com	Saya Suka Dessert	Perbanyakkan Lagi menu menarik	
zulaiqa	puterzulaiqa3@gmail.com	izzah	alya	

Figure 4.20 Contact Us Admin Interface

4.2.21 Login User

The user login page required a customer email and password before to place an order

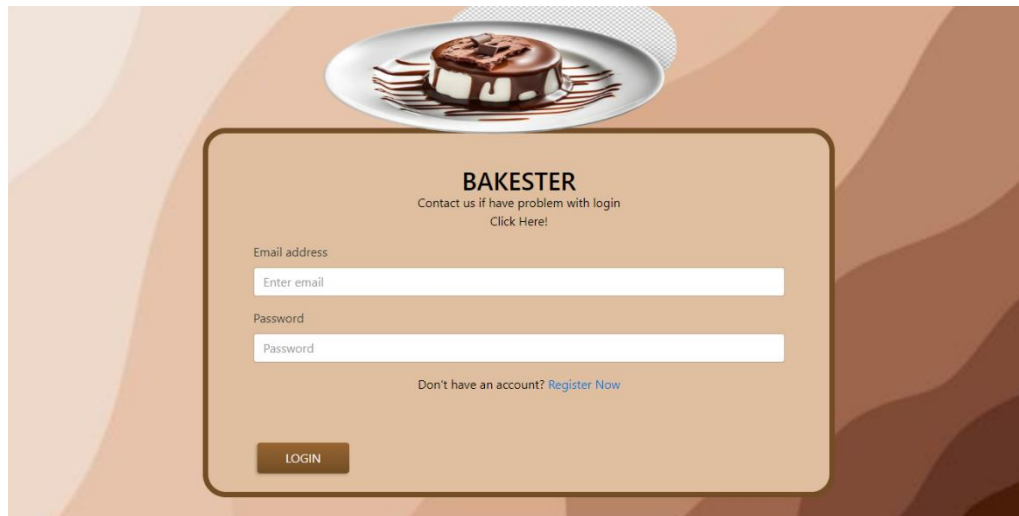
The login interface for BAKESTER features a warm, brown-toned background with a subtle pattern. At the top center, there is a decorative image of a chocolate cake on a white plate. Below this, the brand name "BAKESTER" is prominently displayed in a bold, sans-serif font. Underneath the brand name, a small line of text reads "Contact us if have problem with login" followed by a "Click Here!" link. The main form area contains two input fields: "Email address" with a placeholder "Enter email" and "Password" with a placeholder "Password". Below these fields, a link "Don't have an account? Register Now" is provided. At the bottom of the form, there is a "LOGIN" button.

Figure 4.21 Login User Interface

4.2.22 Register

On this page, customers need to fill out all the fields and meet the validation before the registration success.

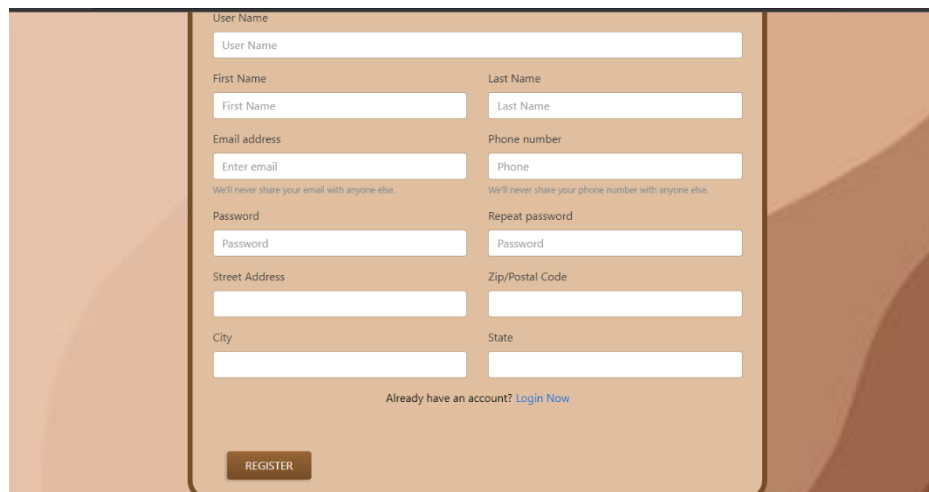
The registration interface for BAKESTER is a form with a warm, brown-toned background. It is divided into two columns. The left column contains fields for "User Name", "First Name", "Email address" (with placeholder "Enter email" and a note "We'll never share your email with anyone else."), "Password", "Street Address", and "City". The right column contains fields for "Last Name", "Phone number" (with placeholder "Phone" and a note "We'll never share your phone number with anyone else."), "Repeat password", "Zip/Postal Code", and "State". At the bottom of the form, there is a "REGISTER" button and a link "Already have an account? Login Now".

Figure 4.22 Register User Interface

4.2.23 Homepage

When user already success login or registered their username will display on the homepage.



Figure 4.23 Homepage User Interface

4.2.24 About Us

In the about us section, it will tell customers briefly about what kind of bakery website it is.

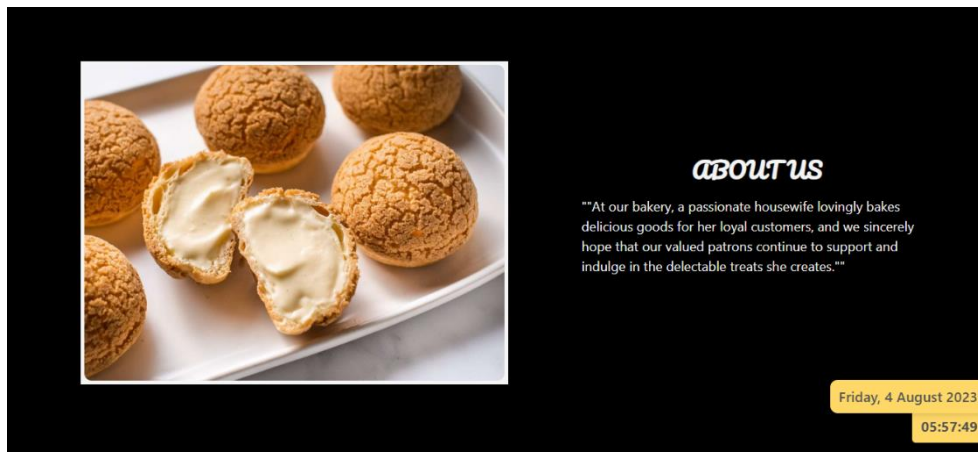


Figure 4.24 About Us User Interface

4.2.25 Our Best Seller

For the bestseller page, the admin will insert their 3 popular menus and the images will display in animation.

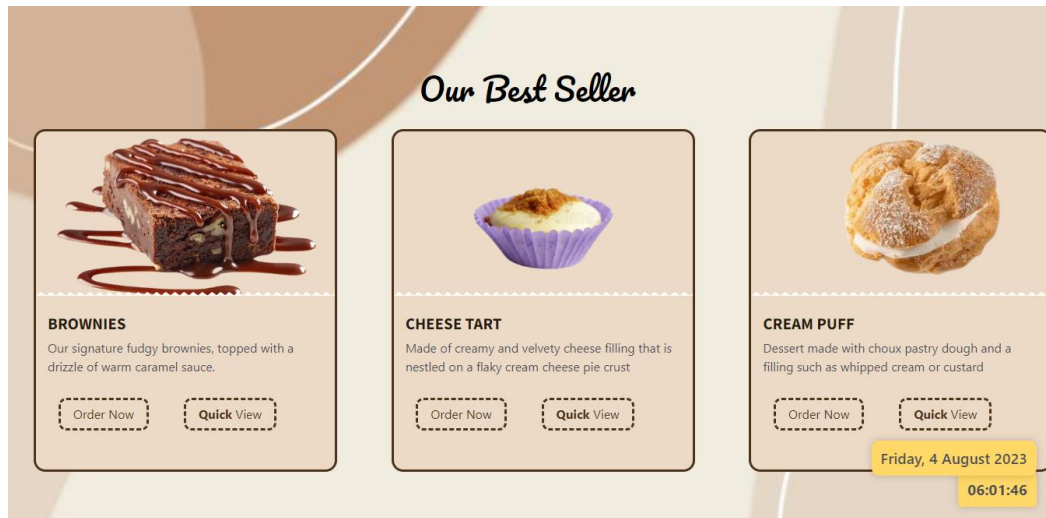


Figure 4.25 Best Seller User Interface

4.2.26 Services

For this page, we display the service that our client has if any of the customers are interested to try our services click on the button to ask more, it will link to WhatsApp.

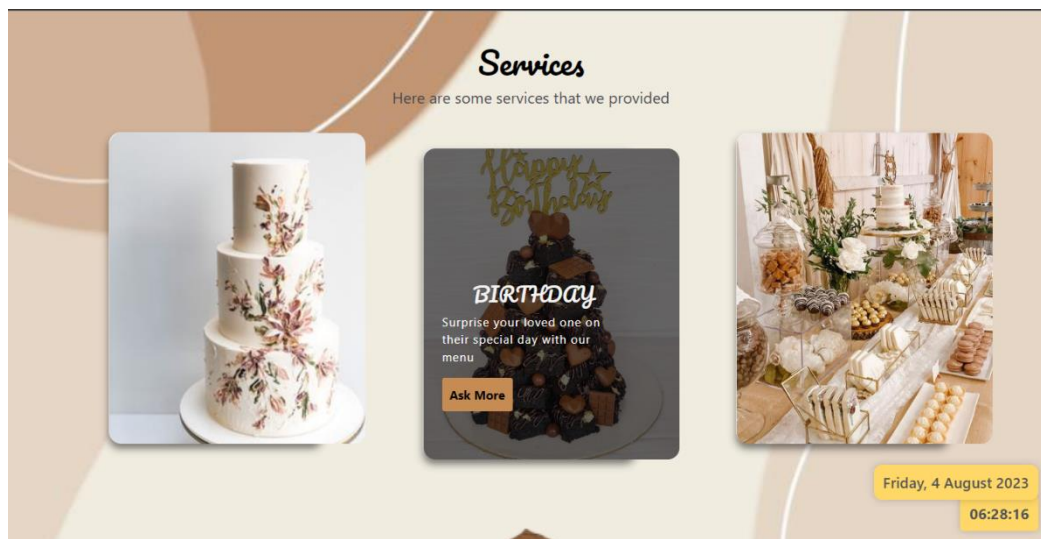


Figure 4.26 Our Service Interface

4.2.27 Step to Order

This section only displays how to order your food bakery on the Bakester website. These steps hope can help customers to purchase their food bakery.



Figure 4.27 Step Order Interface

4.2.28 Feedback

These slide images will display feedback from customers that already ordered with our website. Customers can share their thought, ratings and share an image with other customers.



Figure 4.28 Feedback User Interface

4.2.29 Location

In this location, it will display a real live map of the client's house address. These maps function for customers who are ordering to choose a pickup for shipping method.

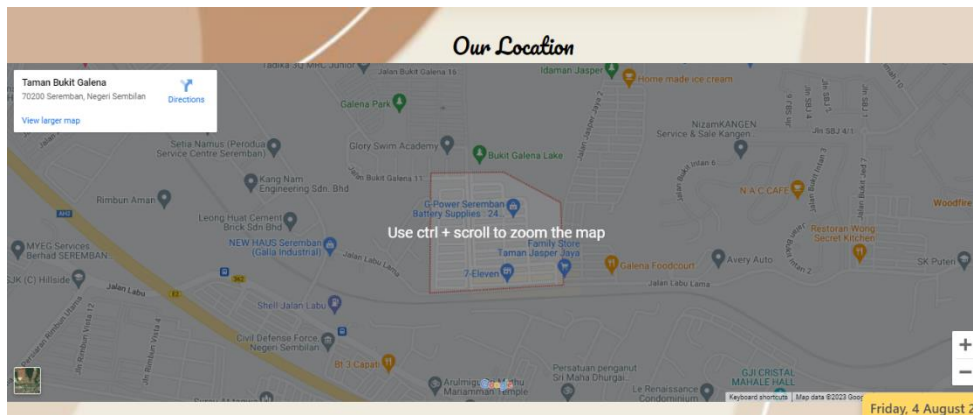


Figure 4.29 Location Interface

4.2.30 Footer

The footer section, which is on the bottom, gives information about the address of the client's location, open hours, and contacts us for customers to ask about anything.

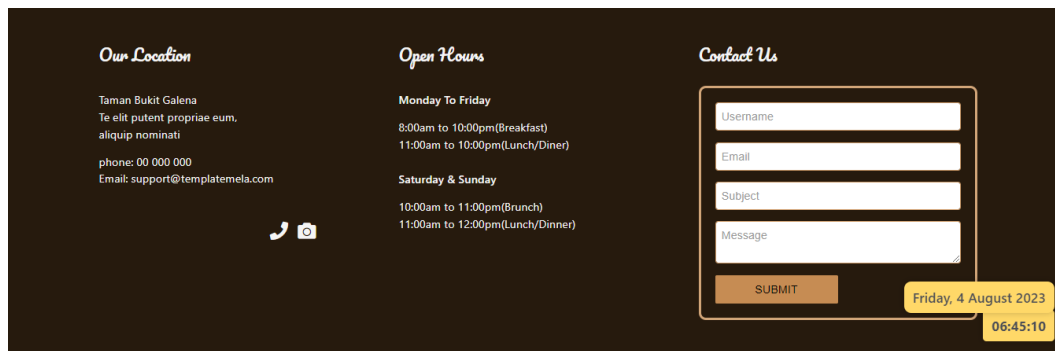


Figure 4.30-Footer Interface

4.2.31 Food Category

On the menu page, it will display the food category based on our menu that the admin can insert in admin page.

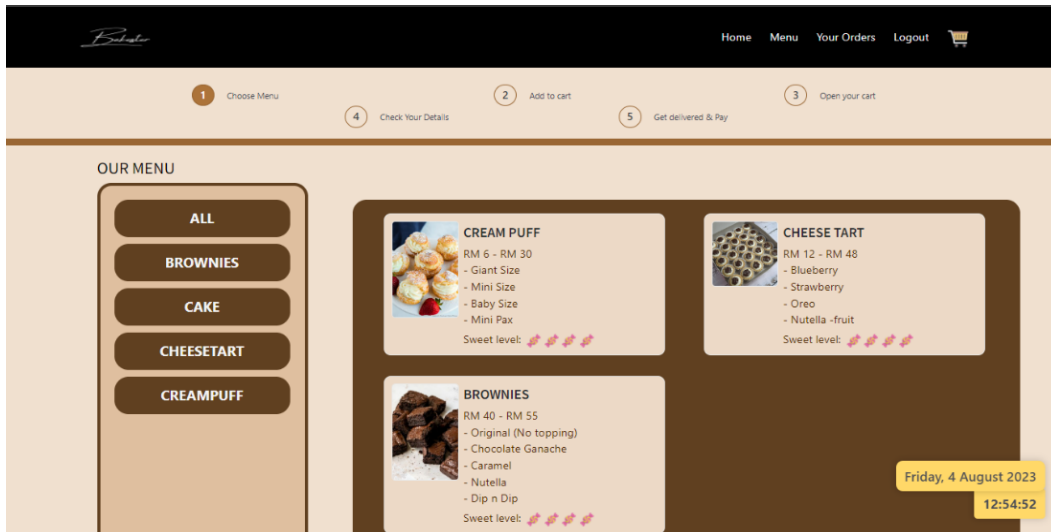


Figure 4.31-Food Category Interface

4.2.32 Menu

When the customer selects a food category, they see a list of menus that belong to that specific category. So, when they click on a food category, all the menus related to that category will be shown to them.

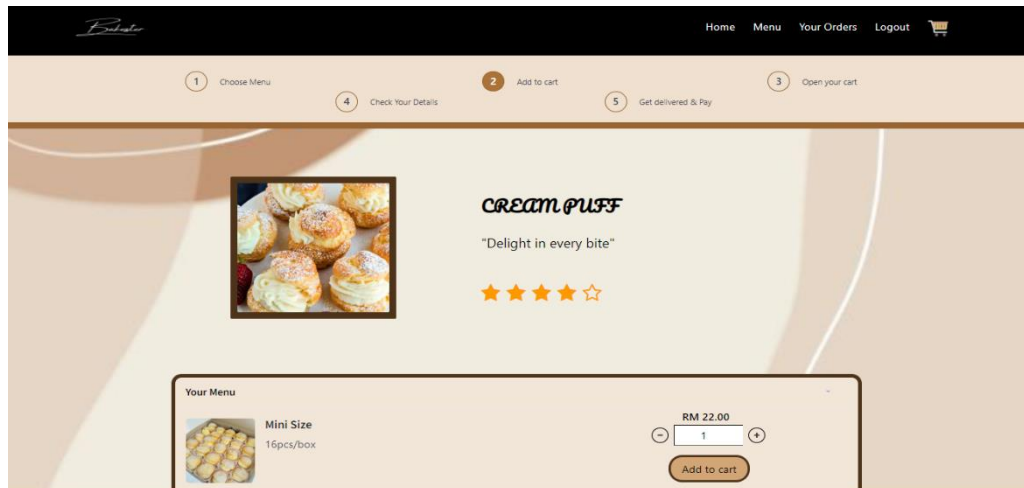


Figure 4.32-Menu Interface

4.2.33 Add to Cart.

For page add to cart, when the customer already chooses the desired menu, it will gather all the chosen menus in one place.

The screenshot shows a web application interface for a shopping cart. At the top, there is a dark navigation bar with the logo 'Bakater' and links for 'Home', 'Menu', 'Your Orders', and 'Logout'. Below this is a light orange banner with a progress indicator showing five steps: 1. Choose Menu, 2. Add to cart, 3. Open your cart, 4. Check Your Details, and 5. Get delivered & Pay. The main content area is titled 'Your Shopping Cart' and displays a 'Mini Size' item with a price of 22.00 and a quantity of 1. There is a text input field labeled 'Enter your noted' and an 'Add menu' button. Below this, the 'Total Amount: RM 22' is shown, followed by a 'Check Your Details' button.

Figure 4.33- Add to Cart Interface

4.2.34 Check Your Details

On this page, customers can proceed to check out or change address and name to new details to delivery.

The screenshot shows a web application interface for checking details. The title is 'Check Your Details'. It features a 'Shipping Address' section with fields for 'puteri' (First Name), 'zulaiqa' (Last Name), and 'sikamat' (Full Address). Below this is a checkbox labeled 'I don't want to update new address'. The 'New Shipping Address' section contains fields for 'First Name', 'Last Name', 'Street Address', 'Zip/Postal Code', 'City', and 'State'. An 'Update' button is located below these fields. At the bottom, there is a 'CHECKOUT' button.

Figure 4.34- Add to Cart Interface

4.2.35 Shipping Popup

On this popup window, customers can choose which shipping method either delivery or self-pickup.

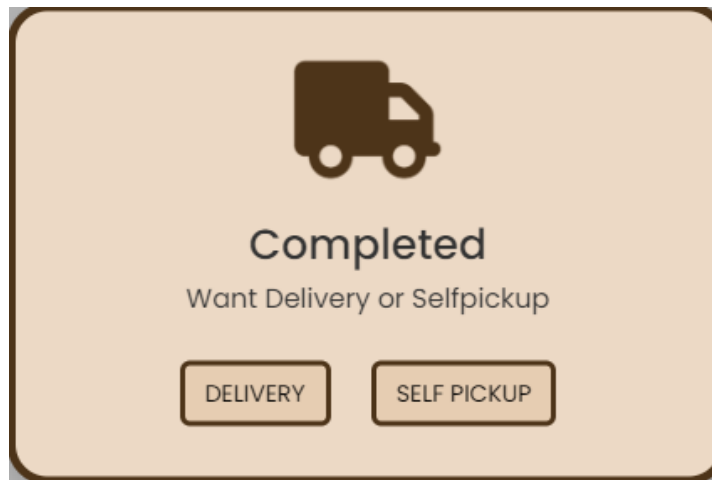


Figure 4.35- Shipping Popup Window

4.2.36 Payment

Users can choose the payment method between online transfer or cash on delivery, when user choose online transfer, user must upload proof of payment in the field given.

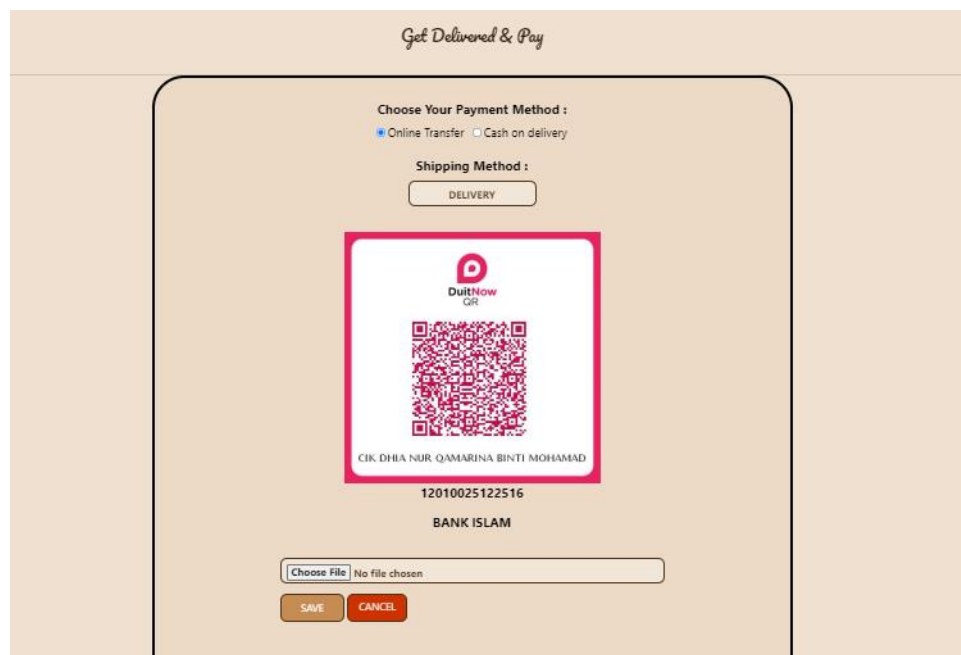


Figure 4.36- Payment Interface

4.2.37 Receipt

When customers already make a payment, the receipt will display. User can check their order which is right or not.

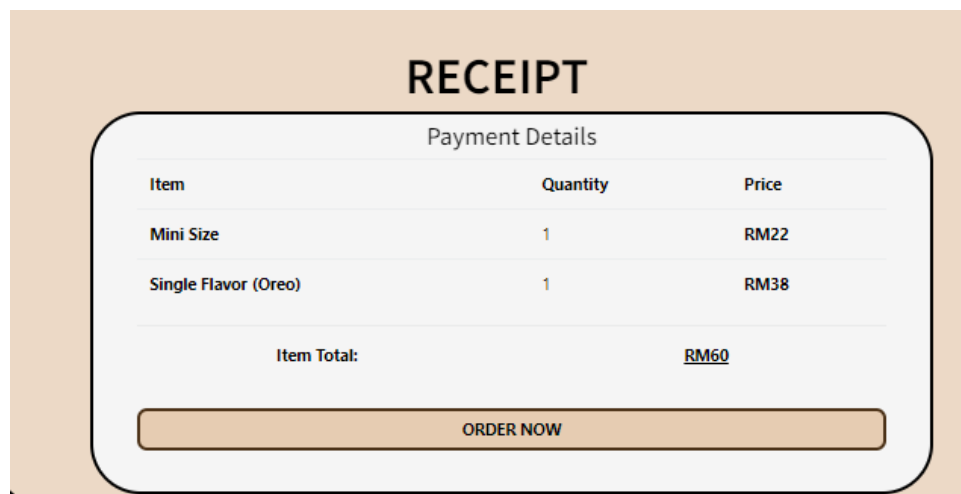


Figure 4.37- Receipt Interface

4.2.38 Yours Order

After the payment settled, customer can see new order enter “your orders” page.

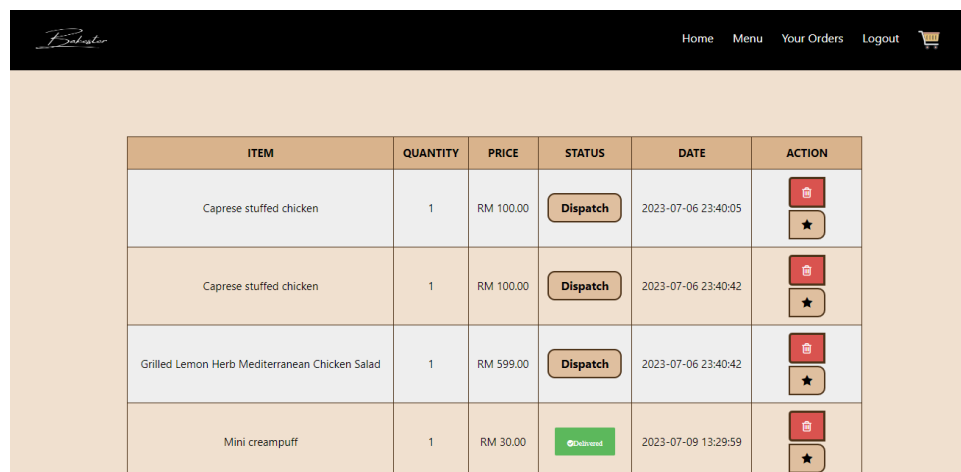


Figure 4.38- Yours Order Interface

5.0 TEST DESCRIPTION AND RESULTS

5.1 UNIT TESTING PLAN (UTP)

REGISTER						
NO	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1	Register to the system using existing username, email, and phone number.	User is required to fill the username, first name, last name, e-mail, phone number, password, confirm password, and address before creating an account.	Users need to make sure the username, email, and phone number are existing before register	Alert message box “Your username already exists!” “Your email already exists!”, “Your phone number already exists!” would pop up and failed to create account.	Dhia	Pass
2	Register to the system using new username, email, and phone number	User is required to fill the username, first name, last name, e-mail, phone number, password, confirm password, and address before creating an account.	Users need to make sure the username, email, and phone number are new before register	Alert message box “Your registration is successful!” and successful to create account and direct to login page	Dhia	Pass

3	Register button	the button will run if the user tries to click it when the user does not fill all the input boxes and will stop until the user enters all the data in the required input boxes	Users need to make sure the to fill all the username, first name, last name, email, phone number, password, confirm password, and address before click button register	Direct to login page	Dhia	Pass
LOGIN						
1.	Login to the system using incorrect email and password	User is required to fill the email and password field before access the system	Users need to make sure the email and password are incorrect before login	Alert message box “incorrect email or password” would pop up and failed to enter homepage	Dhia	Pass
2.	Login to the system using email that does not register	User is required to fill the email and password field before access the system	Users need to make sure the email is not registered before login	Alert message box “Your email is not registered! Please register.” would pop up and direct go to register page	Dhia	Pass
3.	Login to the system using correct email and password	User is required to fill the email and password field before access the system.	Make sure the email and password are correct before login.	Direct to homepage	Dhia	Pass

NAVIGATION						
1.	Logo	none	none	Direct to homepage	Faeiza	Pass
2.	Button Menu	none	none	Direct to menu page	Faeiza	Pass
3.	Button Your Order	none	none	Direct to your order page	Faeiza	Pass
4.	Button Logout	none	none	Direct to login page	Faeiza	Pass
HOMEPAGE						
1.	Button Order Now	Click button order now	none	Direct to menu	Dhia	Pass
2.	Button Quick View	Click button quick view	none	Direct to 3d image the dish	Dhia	Pass
3.	Button Card	Click button card	none	Direct to WhatsApp	Dhia	Pass
4.	Button previous	Click button previous	none	Slide the feedback customer	Dhia	Pass
FOOTER						
1.	Button Submit	Click button submit	Users need to fill all the credentials before clicking the button submit.	Direct to homepage	Faeiza	Pass

MENU						
1.	Button menu	Click button menu	none	All the menu that admin open order will display in there	Puteri	Pass
2.	Button Add to cart	Click button add to cart	none	All the menu that admin open order will display in there	Puteri	Pass
3.	Click image or name dish	Click image or name dish	None	Direct to dish page.	Puteri	Pass
DISH						
1.	Button Add to cart	Click button	None	Will automatically add to cart	Puteri	Pass
2.	Button Add	Click button	None	Will automatically increase the number of orders	Puteri	Pass
3.	Button minus	Click button	Users need to make sure order must above 1	will automatically decrease the number of orders.	Puteri	Pass

CART						
1.	Display the user checkout order	none	Users need to make sure all the menu that user checkout will display	none	Puteri	Pass
2.	Total amount checkout order	Users need to make sure all the menu that user checkout will display	Users need to make sure all the total amount is correct	none	Puteri	Pass
3.	Button Add menu	Click button add menu	None	Direct to menu page	Puteri	Pass
4.	Button Check Your Detail	Click button Check Your Detail	Users need to sure all the menu that user checkout will display	Direct to checkout page	Puteri	Pass
CHECKOUT						
1.	User does not want to update their address	Click button checkbox	User does not want to update their address	Automatic hide the update new address	Puteri	Pass
2.	Update address	User is required to fill the first name, last name, street address, postal code, city, and state before update	Users need to make sure the first name, last name, street address, postal code, city, and state is correct before update	none	Puteri	Pass

3.	Button Update	User is required to fill the first name, last name, street address, postal code, city, and state before click button update	Users need to make sure the first name, last name, street address, postal code, city, and state is correct before click button update	Alert message box “Your information has been updated!”	Puteri	Pass
4.	Button Checkout	Click button checkout	None	Direct to page popup window	Puteri	Pass
SHIPPING						
1.	Button Delivery	Click button delivery	None	Direct to the payment page, where the cost of delivery will be added to the total amount.	Dhia	Pass
2.	Button Delivery	Click button delivery	None	User is directed to the payment page directly without any additional cost for delivery rider.	Dhia	Pass
PAYMENT						
1.	Receipt	None	Users need to make sure all the menu that user checkout will display	None	Dhia	Pass

2.	Button Order Now	Click button Order Now	Users need to make sure all the menu that user checkout will display	Alert message box “Are you sure?” “Thank you for your order!” and will send notification to admin via email	Dhia	Pass
3.	Users want to pay online transfer	Check the radio button Online Transfer	Users need to check the radio button online transfer	Display automatic qr code and upload file receipt	Dhia	Pass
4.	Users want to Cash on Delivery	Check the radio button Cash on Delivery	Users need to check the radio button Cash on Delivery	Will hide automatic qr code and upload file receipt	Dhia	Pass
5.	Users want to upload file receipt	Users need to click button choose file to upload file receipt	Users need to make sure to upload file receipt	Display name file	Dhia	Pass
6.	Button Cancel	Click button cancel	Users need to make sure to upload file receipt	The receipt user will cancel	Dhia	Pass
7.	Button Save	Click button save	Users need to make sure to upload file receipt before click button save.	Direct to payment page	Dhia	Pass

YOUR ORDER						
1.	Display the item checkout order	none	none	Display the item, quantity, price, status, date checkout order user	Dhia	Pass
2.	Status order	None	None	The status will change If user update the status	Dhia	Pass
3.	Button Delete	Click button delete	Users need to make sure to confirm to delete	Alert message box “Are you sure you want to cancel your order?” and delete the order	Dhia	Pass
4.	Button Review	Click button review	none	Appear popup window customer feedback	Dhia	Pass
FEEDBACK USER						
1.	Button save	User is required to fill the feedback review before click button save	Users need to make sure the to fill feedback before button save	Direct to your orders page	Puteri	Pass
ADMIN REGISTER						
1.	Register to the system using existing username, email, and unique code	User is required to fill the username, e-mail, and unique code before creating an account	Admins need to make sure the username, email, and unique code	Message “invalid code!” “Existing email, username”	Faeiza	Pass

			existing before register			
2.	Register to the system using new username, email, and unique code	User is required to fill the username, email and unique code before creating an account	Admins need to make sure the username, email, and unique code are new before register	Direct to login page	Faeiza	Pass
3.	Register button	Click button register	Admins need to fill all the username, email, and unique-code before click button register.	Direct to login page	Faeiza	Pass
ADMIN						
1.	Login to the system using incorrect email and password	User is required to fill the email and password field before access the system	Admins need to make sure the email and password are incorrect before login	Message display “incorrect email or password” and failed to enter homepage	Faeiza	Pass
2.	Login to the system using email that does not register	User is required to fill the email and password field before access the system	Admins need to make sure the email is not registered before login	message display “Your email is not registered! Please register.” would pop up and direct go to register page	Faeiza	Pass

3.	Login to the system using correct email and password	User is required to fill the email and password field before access the system	Admins need to make sure the email and password are correct before login	Direct to dashboard page	Faeiza	Pass
NAVIGATION ADMIN						
1.	Button Home	Click button home	none	Display navigation Dashboard, about us, Popular Menu and Open & Close Hours	Faeiza	Pass
2.	Button Dashboard	Click button dashboard	none	Direct to dashboard page	Faeiza	Pass
3.	Button About Us	Click button about us	none	Direct to about us page	Faeiza	Pass
4.	Button Popular Menu	Click button popular menu	none	Direct to popular menu page	Faeiza	Pass
5.	Button open & close hours	Click button open & close hours	none	Direct to open & close hours page	Faeiza	Pass
6.	Button Users	Click button users	none	Display navigation All Users and Add Users	Faeiza	Pass
7.	Button All Users	Click button all users	none	Direct to all Users page	Faeiza	Pass
8.	Button Add Users	Click button add users	none	Direct to add user page	Faeiza	Pass
9.	Button Food Category	Click button food category	none	Display navigation All	Faeiza	Pass

				Food Category, Add Category and Add Food Category		
10	Button All Food Category	Click button all food category	none	Direct to all food category	Faeiza	Pass
11	Button Add Category	Click button add category	none	Direct to add category	Faeiza	Pass
12	Button Add Food Category	Click button add food category	none	Direct to add food category	Faeiza	Pass
13	Button All Food Category	Click button all food category	none	Direct to all food category	Faeiza	Pass
14	Button Menu	Click button menu	none	Display navigation All Menus and Add menu	Faeiza	Pass
15	Button All Menus	Click button all menus	none	Direct to all menus page	Faeiza	Pass
16	Button Add Menu	Click button add menu	none	Direct to add menu page	Faeiza	Pass
17	Button Orders	Click button orders	none	Display navigation All Orders and Payment	Faeiza	Pass
18	Button All Orders	Click button all orders	none	Direct to all orders page	Faeiza	Pass
19	Button payment	Click button payment	none	Direct to payment page	Faeiza	Pass

20	Button Sales	Click button sales	none	Display navigation View Monthly Sale	Faeiza	Pass
21	Button View Monthly Sale	Click button view monthly sale	none	Direct to view monthly sale	Faeiza	Pass
22	Button User Feedback	Click button user feedback	none	Display navigation All Feedback	Faeiza	Pass
23	Button All Feedback	Click button all feedback	none	Direct to all feedback	Faeiza	Pass
DASHBOARD						
1.	Dashboard	None	None	Show the amount of restaurant, dishes, customer, and order	Faeiza	Pass
ADD MENU ADMIN						
1.	Description	Admin does not insert anything in the description	User must not insert anything in description	Messages appear “All fields Must be Fill up! “And will refresh	Puteri	Pass
2.	Upload file	Admin want to upload file related to the menu to be added	Admins need to make sure to upload file receipt	Display name file in upload input	Puteri	Pass
3.	Button Update	Click button update	Admins need to fill the description and upload file before click button update	Alert message box “Congrats! New Dish Added Successfully” And will refresh	Puteri	Pass

4.	Button Cancel	Click button cancel	None	Direct to dashboard page	Puteri	Pass
POPULAR MENU						
1.	Upload file	Admin want to upload file related to the menu to be added	Admins need to make sure to upload file receipt	Display name file in upload input	Faeiza	Pass
2.	Button Save	Click button save	Admins need to fill the dish name and description before click button save	Alert message box “Congrats! New dish added successfully”	Faeiza	Pass
3.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass
OPEN AND CLOSE HOURS ADMIN						
1.	Select date picker and time	Select dates between the date and time range selectors	Admins need to select the date and time range selectors	Appear in picker date and time range selectors	Faeiza	Pass
2.	Button Update	Click button update	Admins need to select the date and time range selectors before click button update	Direct to open and close hours	Faeiza	Pass
3.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass

ALL USERS INFO ADMIN						
1.	Search information customer	Admins need to fill requirement to search information customer	Admins need to insert the information customer like username, first name, last name, email, phone, or address	Display username, first name, last name, email, address and register date	Faeiza	Pass
2.	Button update	Click button update	none	Direct to update users page	Faeiza	Pass
3.	Button Delete	Click button delete	None	Delete the account and all data information customer	Faeiza	Pass
UPDATE USERS						
1.	Button Save	Admin is required to fill the username, first name, last name, e-mail, phone number, password before click button save	Admins need to make sure the username, email, and phone number are new before register	Refresh	Faeiza	Pass
2.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass
ADD USERS						
1.	Add user to the system using new username, first name,	Admin is required to fill the username, first name, last name, e-mail, phone	Admins need to make sure the username, first name, last name, e-mail,	Alert message box "Congrats! New User Added Successfully"	Faeiza	Pass

	last name, email, password, phone number and address	number, password, and address before creating an account	phone number are new before register	and successful to create account		
2.	Save button	Admin is required to fill the username, first name, last name, e-mail, phone number, password, and address before click save button	Admins need to make sure the username, first name, last name, e-mail, phone number are new before click button save	Refresh the page	Faeiza	Pass
3.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass
ALL FOOD CATEGORIES						
1.	Search information food dish	Admins need to fill requirement to search information food dish	Admins need to insert the information dish like category, dishes name, level sweet, range price and noted	Display category, dishes name, level sweet, range price and noted	Puteri	Pass
2.	Button update	Click button update	none	Direct to update dishes page	Puteri	Pass
3.	Button Delete	Click button delete	None	Delete all information dishes that admin want	Puteri	Pass

ADD CATEGORY						
1.	Button save	Click button save	Admins need to fill the category before click button save	Alert message display “Congrats! New Category Added Successfully”	Dhia	Pass
2.	Button cancel	Click button cancel	None	Direct to dashboard page	Dhia	Pass
3.	Button update	Click button update	none	Direct to update the category	Dhia	Pass
4.	Button Delete	Click button delete	None	Delete the data add category	Dhia	Pass
UPDATE FOOD CATEGORY						
1.	Button save	Click button save	Admins need to fill the category before click button save	Alert message display “Updated Successfully!”	Dhia	Pass
2.	Button Back	Click button back	None	Direct to dashboard page	Dhia	Pass
UPDATE DISHES						
1.	Upload file	Admin want to upload file related to the menu to be added	Admins need to make sure to upload file receipt	Display name file in upload input	Faeiza	Pass
2.	Select category	Admins need to fill requirement to select the category dishes	Admins need to select category dishes	Display category	Faeiza	Pass

3.	Save button	Admin is required to fill the menu name, sweet level, range price, upload file, select category and note for customer before click save button	Admins need to make sure the menu name, sweet level, range price, upload file, select category and note for customer before click save button	Alert message box “Record Updated!”	Faeiza	Pass
4.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass
ALL MENU COLLECTION ADMIN						
1.	Button update	Click button update	none	Direct to update menu info page	Puteri	Pass
2.	Button Delete	Click button delete	None	Delete all information dishes that admin want	Puteri	Pass
ADD MENU ADMIN						
1.	Upload file	Admin want to upload file related to the menu to be added	Admins need to make sure to upload file receipt	Display name file in upload input	Faeiza	Pass
2.	Select category	Admins need to fill requirement to select the category dishes	Admins need to select category dishes	Display category	Faeiza	Pass

3.	Save button	Admin is required to fill the dish name, description, price, upload file, select category for customer before click save button	Admins need to confirm the dish name, description, price, upload file, select category before click save button	Refresh	Faeiza	Pass
4.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass
ADD MENU TO FOOD CATEGORY ADMIN						
1.	Upload file	Admin want to upload file related to the menu to be added	Admins need to make sure to upload file receipt	Display name file in upload input	Faeiza	Pass
2.	Select category	Admins need to fill requirement to select the category dishes	Admins need to select category dishes	Display category	Faeiza	Pass
3.	Save button	Admin is required to fill the dish name, description, price, upload file, select category for customer before click save button	Admins need to make sure the dish name, description, price, upload file, select category before click save button	Alert message box “Congrats! New Dish Added Successfully.”	Faeiza	Pass
4.	Button Cancel	Click button cancel	None	Direct to dashboard page	Faeiza	Pass

ALL USER ORDERS						
1.	Search information all user orders	Admins need to fill requirement to search information like username, dishes, quantity, price, address, status and ordered date	Admins need to insert the information order like username, dishes, quantity, price, address, status and ordered date	Display username, dishes, quantity, price, address, status and ordered date	Puteri	Pass
2.	Button update	Click button update	none	Direct to view users order page	Puteri	Pass
3.	Button Delete	Click button delete	None	Delete all information user orders	Puteri	Pass
4.	Status	none	Admin will update the status user order	The status will change based on what user update	Puteri	Pass
VIEW USERS ORDER						
1.	Button Take Action	Click button take action	none	Direct to admin dashboard page	Dhia	Pass
2.	Button Send WhatsApp Message	Click button send WhatsApp message	Admins need to make sure status order user	Direct to WhatsApp and send message automatic about the notification the order is ready.	Dhia	Pass

ADMIN DASHBOARD						
1.	Button submit	Click button submit	Admins need to fill the remarks and select the status orders user before click button submit	Popup message box “form details updated successfully”	Puteri	Pass
2.	Button Close the window	Click button close the window	None	Direct to view users order	Faeiza	Pass
PAYMENT ADMIN						
1.	Receipt	Click the receipt file or image	Admin can check proof of payment before proceeding with the customer's order	Direct to open the image or file	Puteri	Pass
2.	Button update	Click button update	none	Direct to view users order page	Puteri	Pass
3.	Button Delete	Click button delete	None	Delete all information user orders.	Puteri	Pass

MONTHLY SALE						
1.	View sale category moth	Select the category moth	Admins need to select the category moth to view the monthly sale	Display the monthly sales based on month	Faeiza	Pass
2.	Search information to view the monthly sale	Admins need to fill requirement to search information dish name, price, quantity, date and total to view the monthly sale	Admins need to insert the information dish like dish name, price, quantity, date and total to view the monthly sale	Display dish name, price, quantity, date and total	Faeiza	Pass
ALL FEEDBACK CUSTOMER ADMIN						
1.	Search information to view feedback customer	Admins need to fill requirement to search information username, email, subject, message, and action to view the feedback customer	Admins need to insert the information username, email, subject, message, and action to view the feedback customer	Display username, email, subject, message, and action	Dhia	Pass
LOGOUT ADMIN						
1.	Logo	Click logo	none	Direct to login page	Dhia	Pass

table 5.1-Unit Testing Plan (UTP)

5.2 INTEGRATION TESTING PLAN (ITP)

REGISTER						
NO	Test Case Name	Test Procedure	Pre-condition	Expected Result	Tester	Result (Pass/Fail)
1.	Register Button	Click on the register button	None	User will directly go to login page	Dhia	Pass
2.	Click Here Button	Click on click here button	If user has problem to register an account	User will directly go to WhatsApp web	Dhia	Pass
LOGIN						
1.	Login Button	Click on login button	Users need to enter the registered email and password and click on login button and user will directly go to homepage after login.	Users need to enter the registered email and password and click on login button and user will directly go to homepage after login.	Dhia	Pass
2.	Click Here Button	Click on click here button	If user has problem to login the account	User will directly go to WhatsApp web	Dhia	Pass
MENU						
1.	Button Image Dish	Click on button image dish	none	User will directly go to dishes page.	Dhia	Pass

DISHES						
1.	Order Button	Click on button order	none	The dish order will add automatic in add to cart	Dhia	Pass
2.	Add Order Button	Click on add order button	none	The order dish will increase automatic	Dhia	Pass
3.	Remove Order Button	Click on remove order button	Users need to make sure the number order must be above 1.	The order dish will decrease automatic	Dhia	Pass
CHECKOUT						
1.	Add Menu Button	Click on add menu button	Users want to add another menu to purchased	Directly go to page menu	Dhia	Pass
2.	Check Your Detail Button	Click on check your detail button	Users want to checkout order	Directly go to checkout page	Dhia	Pass
CHECKOUT PAGE						
1.	Checkout Button	Click on checkout button	Users want to checkout order	Directly go to shipping option page	Puteri	Pass
SHIPPING OPTION						
1.	Delivery Button	Click on delivery button	Users want to delivery order	Directly go to payment page where the cost rider will display and calculate with total amount	Puteri	Pass
2.	Self-Pickup Button	Click on self-pickup button	Users want to self-pickup order	Directly go to payment page	Puteri	Pass

PAYMENT						
1.	Order Now Button	Click on order now button	Users want to booking order	Popup message display “Are you sure?” “Thank you for your order!” directly go to page your order and will send notification to admin	Puteri	Pass
2.	Radio button Online Transfer	Check on radio button online transfer	Users want to do payment online	Display image qr code and upload file	Puteri	Pass
3.	Radio button Cash on delivery	Check on radio button cash on delivery	Users want to cash on delivery	Hide image qr code and upload file	Puteri	Pass
YOUR ORDER						
1.	Review button	Click on review button	Users need to give review dishes	Directly go to customer feedback page	Puteri	Pass
2.	Delete Button	Click on delete button	Users want to delete order	Delete automatic user orders	Puteri	Pass
CUSTOMER FEEDBACK						
1.	Save Button	Click on save button	User need to fil requirement feedback and rating and upload image dishes before click button save	Refresh	Puteri	Pass

2.	Close Button	Click on close button	none	Directly go to your order page	Puteri	Pass
REGISTER ADMIN						
1.	Register Button	Click on the register button	None	Admin will directly go to login page	Puteri	Pass
LOGIN ADMIN						
1.	Login Button	Click on login button	Admins need to enter the registered username and password and click on login button and user will directly go to homepage after login.	Admins need to enter the registered username and password and click on login button and user will directly go to homepage after login.	Puteri	Pass
ABOUT US						
1.	Update Button	Click on update button	Admin must need to fill the description and upload file menu before click button update	Alert messages appear “Congrats! New Dish Added Successfully”	Faeiza	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
POPULAR MENU						
1.	Save Button	Click on save button	Admin must need to fill the dish name, description, and upload file menu before click button update	Alert messages appear “Congrats! New Dish Added Successfully”	Faeiza	Pass

2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
OPEN AND CLOSE						
1.	Update Button	Click on update button	Admins need to select picker date and time to open date and close date	Directly the open and close page	Faeiza	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
MENUES						
1.	Update Button	Click on update button	none	Directly go to update menu for dishes page	Faeiza	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
UPDATE USERS' ADMIN						
1.	Save Button	Click button save	Admins need to fill the username, first name, last name, email, password, and phone	Directly go to all menu	Faeiza	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
ADD USER ADMIN						
1.	Save Button	Click button save	Admins need to fill the username, first name, last name, email, password, and phone	Alert messages appear “Congrats! New User Added Successfully” menu	Faeiza	Pass

2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
ALL FOOD CATEGORIES						
1.	Update Button	Click on update button	Admins need to fill the menu name, sweet level, range price, image and select category	Alert message display “Record Updated!” and directly go to update dishes page	Faeiza	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
ADD CATEGORY						
1.	Save Button	Click on button save	Admins need to fill category name before click button save	Alert message display “Congrats! New Category Added Successfully”	Puteri	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Puteri	Pass
3.	Update Button	Click on update button	none	Directly go to update food category page	Puteri	Pass
4.	Delete Button	Click on delete button	none	Delete the food category	Puteri	Pass
UPDATE FOOD CATEGORY						
1.	Save Button	Click button save	Admins need to fill the category	Alert messages appear “Updated Successfully!”	Puteri	Pass
2.	Back Button	Click on back button	none	Directly go to dashboard page.	Puteri	Pass

ADD FOOD CATGEORY						
1.	Save Button	Click on button save	Admins need to fill menu name, sweet level, range price, image, category and note for customer before click button save	Alert message display “Congrats! New Restaurant Added Successfully.”	Puteri	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Puteri	Pass
ALL MENU COLLECTION						
1.	Update Button	Click on update button	none	Directly go to update menu for dishes page	Dhia	Pass
2.	Delete Button	Click on delete button	none	Delete the food category	Dhia	Pass
UPDATE MENU FOR DISHES						
1.	Save Button	Click on button save	Admins need to fill dish name, description, price, image, category before click button save	Alert message display “Record Updated.”	Puteri	Pass
2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Puteri	Pass
ADD MENU TO FOOD CATEGORY						
1.	Save Button	Click on button save	Admins need to fill dish name, description, price, image, category before click button save	Alert message display “Congrats! New Dish Added Successfully”	Faeiza	Pass

2.	Cancel Button	Click on cancel button	none	Directly go to dashboard page	Faeiza	Pass
ALL ORDER						
1.	Update Button	Click on update button	none	Directly go to view user order list page	Faeiza	Pass
2.	Delete Button	Click on delete button	none	Delete the user order	Faeiza	Pass
VIEW USER ORDER						
1.	Take Action Button	Click take action button	Admin want to update the status orders user	Directly go to admin dashboard page	Faeiza	Pass
2.	Send WhatsApp Message Button	Click send WhatsApp messages button	Admin want to tell the user customer the order is already	Directly go to WhatsApp web where message automatic sent to user as a notification order is already	Faeiza	Pass
ADMIN DASHBOARD						
1.	Submit Button	Click submit button	Admins need to fill the remarks and select the status user	Popup message “form details updated successfully”	Dhia	Pass
2.	Close This Window button	Click close this window button	none	Directly go to view order user’s page	Faeiza	Pass

PAYMENT						
1.	Update Button	Click on update button	none	Directly go to view user order list page	Faeiza	Pass
2.	Delete Button	Click on delete button	none	Delete the user order	Faeiza	Pass
LOGOUT ADMIN						
1.	Logo	Click the logo	none	System will be logout and directly go to login page of system.	Dhia	Pass

Table 5.2 Integration Testing Plan (ITP)

6.0 MAJOR INTEGRATION AND DISCUSSION

The description of each content of the significant integrations and discussions is defined as follows:

6.1 ADVANTAGES OF THE PROJECT

- a. **Enhanced Customer Experience:** Customers can conveniently view the available bakery products, customize their orders, and easily place and manage their orders online. This streamlined process saves customers time and effort, leading to an improved overall experience.
- b. **Real-Time Order Tracking:** Customers benefit from the ability to track the status of their orders in real-time. Whether it is confirmed, in progress, or delivered, customers can stay informed and plan accordingly.
- c. **Improved Order Management for Bakery Admin:** The system empowers bakery administrators to efficiently manage the entire order process. They can view and update customer orders, accept or reject booking requests, and track the availability of bakery products. This level of control and organization enhances the bakery's operational efficiency.
- d. **Flexibility in Menu Management:** The bakery admin can easily add, edit, or remove bakery products from the menu through the system. This flexibility enables the bakery to adapt quickly to changing customer preferences and optimize their product offerings.
- e. **Efficient Customer Data Management:** The system allows the bakery admin to access and manage customer information, such as contact details and order history. This feature aids in providing personalized customer service and creating targeted marketing campaigns.

6.1 DISADVANTAGES OF THE PROJECT

- a. **Technical Challenges:** Building a sophisticated and user-friendly system may pose technical challenges, especially for bakeries with limited experience in software development. Ensuring seamless integration with existing systems and addressing potential bugs may require additional expertise.
- b. **Data Security Concerns:** With the system handling sensitive customer information, there is a risk of data breaches or cyberattacks. Maintaining robust data security measures is essential to safeguard customer data and protect the bakery's reputation.
- c. **Customer Resistance:** While some customers may embrace the convenience of the new ordering system, others may prefer traditional methods or face difficulties navigating the online platform. Encouraging all customers to transition to the new system may be a challenge.
- d. **Dependence on Technology:** Relying heavily on technology may pose risks during technical failures or outages. In such situations, customers may be unable to place orders or access their order status, leading to potential dissatisfaction.

7.0 CONCLUSION AND RECOMMENDATION

In conclusion, the development of a bakery ordering system represents a critical step towards modernizing and streamlining the operations of our client bakery. The current manual order-taking process is prone to errors, delays, and customer dissatisfaction, which can adversely impact the business's reputation and profitability. The implementation of a user-friendly and efficient online ordering platform aims to enhance the customer experience, improve order management, and position the bakery for sustained growth in a competitive market.

The proposed bakery ordering system will provide customers with a convenient and intuitive way to place their orders, enabling them to explore the bakery's products, customize their selections, and receive real-time order updates. The system will also equip the bakery with valuable data insights, enabling informed decisions, optimizing inventory management, and better understanding customer preferences.

To successfully develop and implement the bakery ordering system, it is recommended to conduct a thorough needs assessment, prioritize user-centric design, ensure seamless integration with existing systems, implement stringent data security measures, conduct comprehensive testing, and establish a customer feedback mechanism for continuous improvement. Following these recommendations will create a user-friendly and efficient system that streamlines the ordering process, enhances customer satisfaction, and strengthens the bakery's position in the market.

8.0 REFERENCES

WEBSITE

Dennis, A., Wixom, B., & Roth, R. M. (2021, October 21). Systems analysis and design, 8th edition. Wiley.com. <https://www.wiley.com/en-us/Systems+Analysis+and+Design%2C+8th+Edition-p-9781119803799>Syima. (n.d.).

Kek Afrina. <http://www.kekafrina.com/>

Anisbakery. anisbakery. (2020, October 30). <http://www.anisbakery.net/>

Log into Facebook. Facebook. (n.d.). <https://www.facebook.com/CtzCakes>

Sweet8bakery - Parit Raja, Batu Pahat. sweet8bakery - Parit Raja, Batu Pahat. (n.d.). <http://zilahomemadebakery.blogspot.com/>

Ltd., P. T. Pvt. (2023, June 5). All-in-one cloud restaurant management software. Posist. <https://www.posist.com/>

Bake Diary. (n.d.). Cake pricing and order management software app for Bakers. Bake Diary. <https://bakediary.com/>

About bluent: Architecture: Digital: Business consulting. BluEnt means: Business soLUtions for ENTerprise. (2023, February 23). <https://www.bluent.com/about-us/>

Silkalns, A. (2023, January 12). 19 best bakery website templates (HTML & WordPress) 2023. Colorlib. <https://colorlib.com/wp/bakery-website-templates/>

MozDevNet. (n.d.). Learn to style HTML using CSS - learn web development: MDN. Learn web development | MDN. <https://developer.mozilla.org/en-US/docs/Learn/CSS>