



BMS

(Business Management System)

DONE BY - TAMIZHARASAN M

INTRODUCTION

The **Business Management System (BMS)** is an advanced desktop application developed using **Core Java**, featuring a **Graphical User Interface (GUI)** with **Tkinter**, **pallets**, and **widgets** for an enhanced user experience. The purpose of this system is to facilitate business operations by managing products, stock inventory, clients, and employee details efficiently. The system provides a seamless user experience, allowing clients to browse products, make purchases, and ensure secure payments. Additionally, the founder has exclusive access to management-related functionalities such as client details, stock management, and employee data. This report details the functionality of each page in the system.

1: Login Page

2: Welcome Page

3: Products Page

4: Product List Page

5: Buy Page

6: Founder Login Page

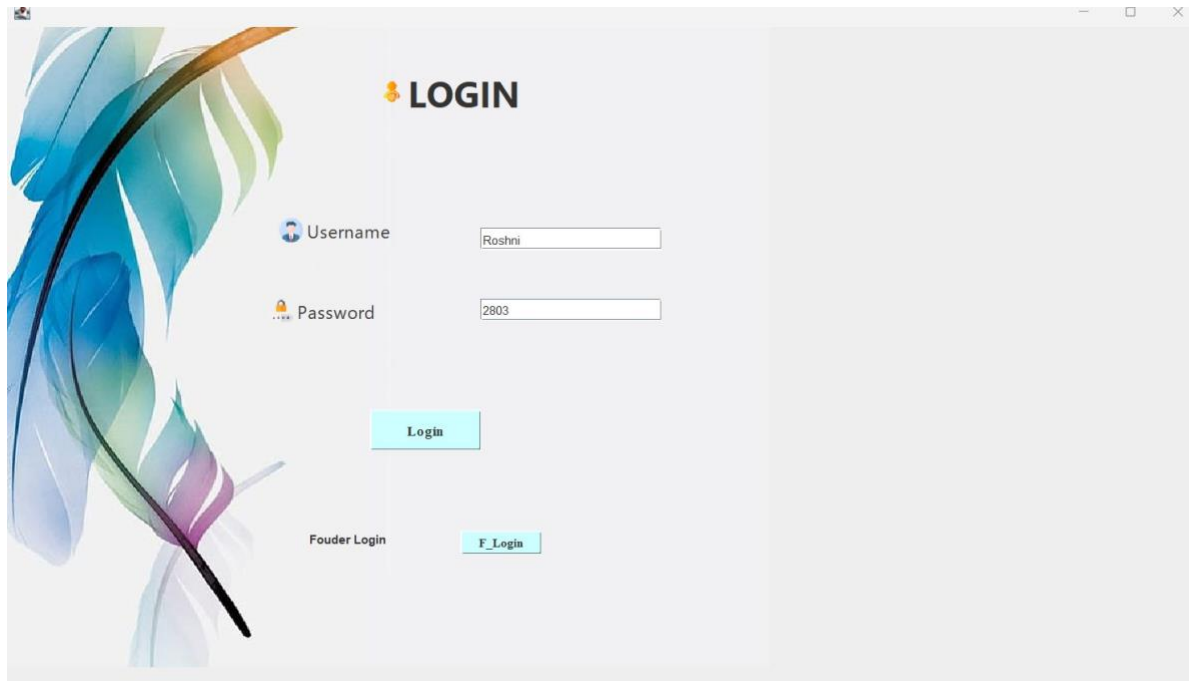
7: Founder Page

8: Client Details Page

9: Add Stock Page

10: Management Details Page

LOGIN PAGE



A screenshot of a web application login page. The page has a light gray background with a decorative graphic of blue and green leaves on the left side. The title "LOGIN" is displayed in bold black text with a small orange icon to its left. Below the title, there are two input fields: "Username" with the value "Roshni" and "Password" with the value "2803". Both fields have a small icon to their left. Below the input fields, there is a cyan button labeled "Login". At the bottom, there is a link "Fouder Login" and a cyan button labeled "F_Login".

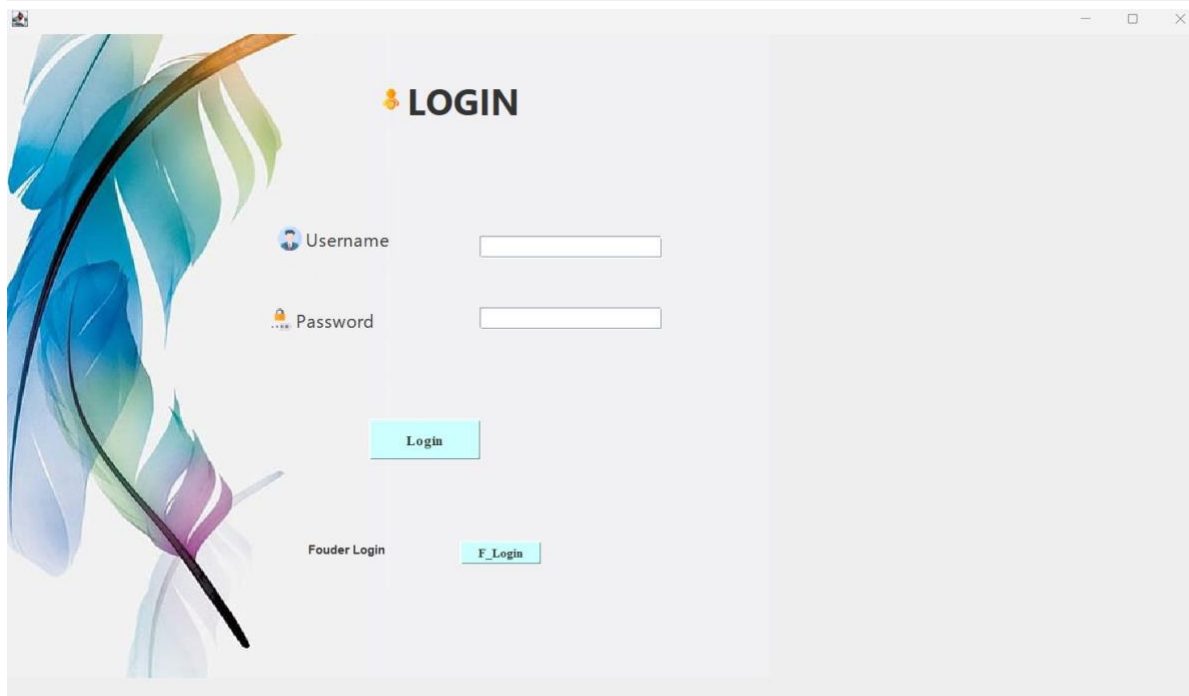
LOGIN

Username Roshni

Password 2803

Login

Fouder Login F_Login



A screenshot of the same web application login page, but with the input fields empty. The layout and styling are identical to the first screenshot, including the leaf graphic, the "LOGIN" title, and the "Login" and "F_Login" buttons.

LOGIN

Username

Password

Login

Fouder Login F_Login

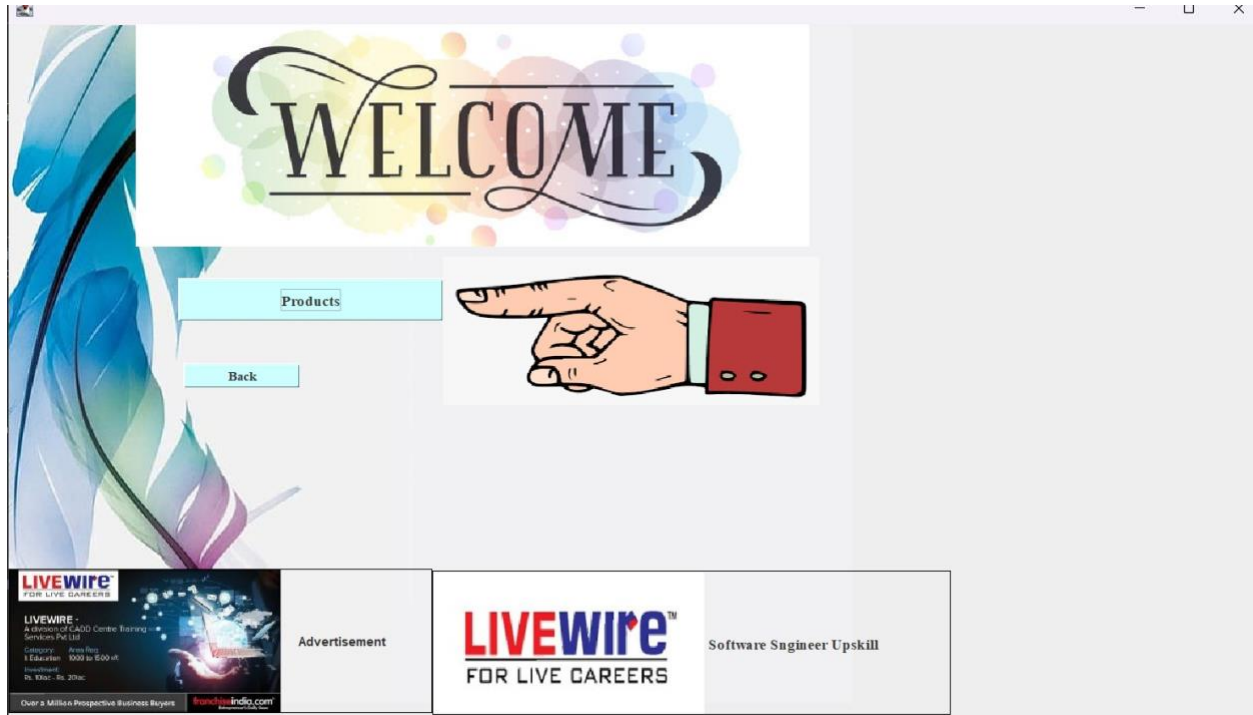
Description:

The **Login Page** serves as the entry point for users to access the system. It has separate login credentials for clients and founders, ensuring data privacy and security.

Features:

- **Username and Password Fields:** Users must enter valid credentials to access the system.
- **Client Login Button:** Redirects users to the **Welcome Page** upon successful authentication.
- **Forgot Password (f_login) Option:** Provides a way to reset the password if forgotten.
- **Validation Checks:** Ensures that incorrect credentials do not grant access.

WELCOME PAGE



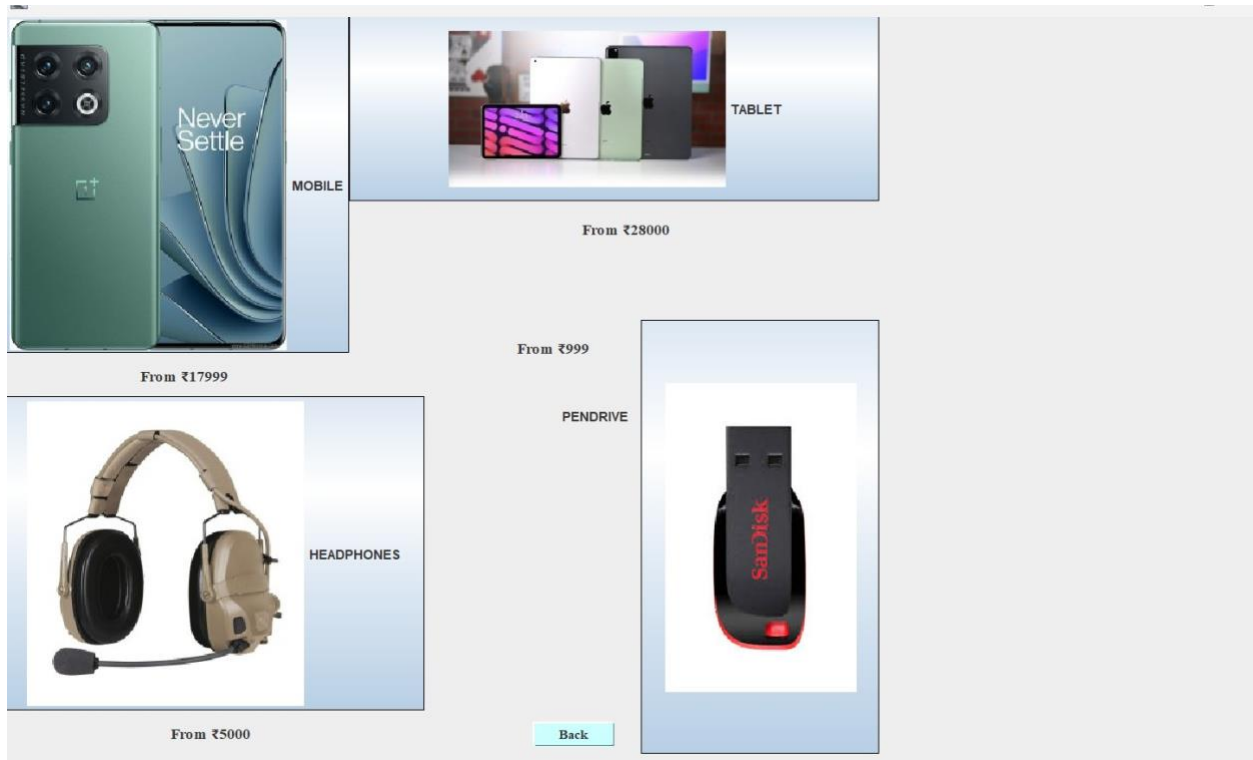
Description:

The **Welcome Page** greets the user with a warm message and provides easy access to the product section. Additionally, it includes an advertisement for the **Liverwire CADD Center**.

Features:

- **Welcome Banner:** Displays a personalized greeting for the logged-in client.
- **Products Tab:** Directs users to the product catalog.
- **Advertisement Section:** Highlights promotional offers or external business collaborations.
- **Navigation Menu:** Allows smooth transition to other sections of the system.

PRODUCTS PAGE







Description:





The **Products Page** showcases the available products in an intuitive, well-organized layout, allowing users to browse and explore electronic gadgets.

Features:

- **Product Categories:** Displays available items such as **mobile phones, tablets, headphones, and pen drives**.
- **Search and Filter Options:** Users can search for a specific product and filter results based on brand, price, and category.
- **Click to View Details:** Clicking on a product leads to the **Product List Page**.


PRODUCT LIST PAGE

| MOBILES | |
|---|---|
| <div><p>SAMSUNG A9+</p><p>Colour <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p></div> | <div><p>REALME NARZO 5G</p><p>Colour <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p></div> |
| <div><p>IPHONE 14 PROMAX</p><p>Colour <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p></div> | <div><p>ONEPLUS 11 PRO</p><p>Colo... <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p><p>Back</p></div> |

| MOBILES | |
|---|---|
| <div><p>SAMSUNG A9+</p><p>Colour <input type="text"/></p><p>Red Black Blue Purple</p><p>Price <input type="text"/></p><p>BUY</p></div> | <div><p>REALME NARZO 5G</p><p>Colour <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p></div> |
| <div><p>IPHONE 14 PROMAX</p><p>Colour <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p></div> | <div><p>ONEPLUS 11 PRO</p><p>Colo... <input type="text"/></p><p>RAM,ROM: <input type="text"/></p><p><input type="text"/></p><p>Price <input type="text"/></p><p>BUY</p><p>Back</p></div> |

MOBILES

SAMSUNG A9+



Colour

Red

RAM,ROM:

6GB,128GB


8GB,256GB

...

Price

BUY

REALME NARZO 5G



Colour


RAM,ROM:

...

Price

BUY

IPHONE 14 PROMAX



Colour


RAM,ROM:

...

Price

BUY

ONEPLUS 11 PRO



Colo...

RAM,ROM:


...

Price

BUY

MOBILES

SAMSUNG A9+



Colour

Red

RAM,ROM:

8GB,256GB


₹32,000

₹32,000

Price

BUY

REALME NARZO 5G



Colour


RAM,ROM:

...

Price

BUY

IPHONE 14 PROMAX



Colour


RAM,ROM:

...

Price

BUY

ONEPLUS 11 PRO



Colo...

RAM,ROM:

...

Price

BUY

Back

TABLETS

SAMSUNG TAB 10.5 INCH



Colour
Black

RAM,ROM:
8GB,128GB

Price
₹35,000

₹35,000

BUY

LENOVO TAB 8.5 INCH



Colour
Black

RAM,ROM:
8GB,128GB

Price
₹37,000

₹37,000

BUY

APPLE TAB 11 INCH



Colour
Blue

RAM,ROM:
8GB,1TB

Price
₹1,37,000

₹1,37,000

BUY

ONEPLUS 11.3 INCH



Colour
Black

RAM,ROM:
8GB,256GB

Price
₹35,000

₹35,000

BUY

Back

HEADPHONES

Sony



Colour
Black

Pri...
6,000

Fix

6,000

BUY

Boat



Colour
Black

Price
3,700

Fix

3,700

BUY

Apple



Colour
Black

Pri...
14,999

Fix

14,999

BUY

JBL



Colour
Red

Pri...
8,000





Fix

8,000

BUY

Back

PENDRIVE

| | |
|--|---|
| <p>Sandisk 3.1</p>  <p>Storage 512GB</p> <p>Price ₹2300</p> <p>₹2300</p> <p>BUY</p> | <p>HP 3.2</p>  <p>Storage 256GB</p> <p>Price ₹2000</p> <p>₹2000</p> <p>BUY</p> |
| <p>Samsung 3.3</p>  <p>Storage 256GB</p> <p>Price ₹2075</p> <p>₹2075</p> <p>BUY</p> | <p>Transcend 2.2</p>  <p>Storage 128GB</p> <p>Price ₹1599</p> <p>₹1599</p> <p>BUY</p> <p>Back</p> |

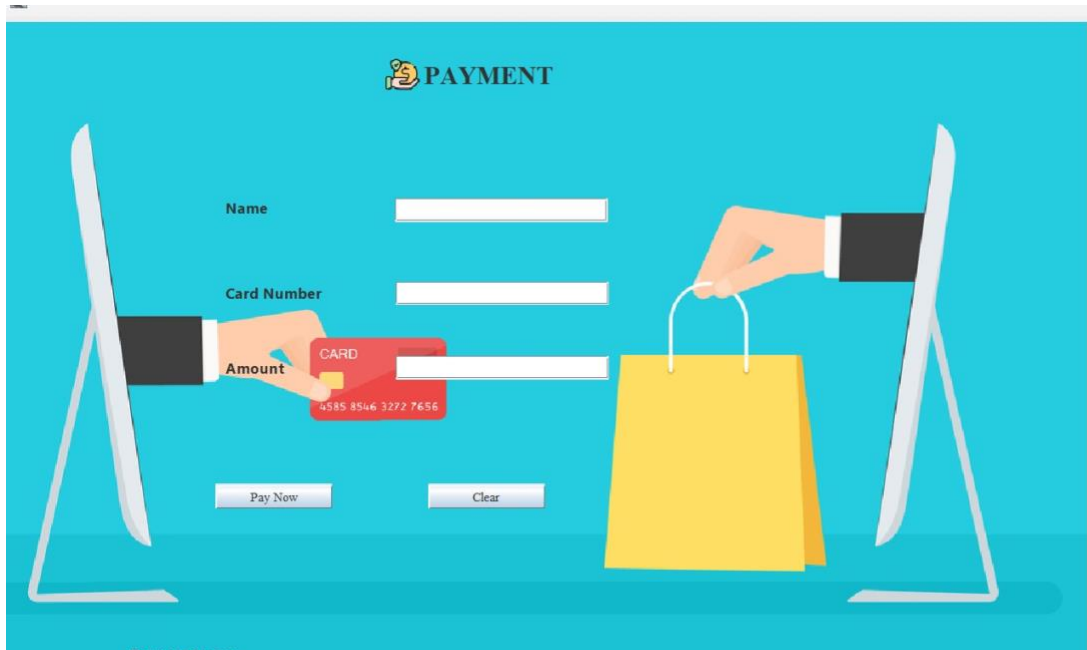
Description:

The **Product List Page** provides an in-depth view of each product, including technical specifications, available colors, and pricing information.

Features:

- **Detailed Product Specifications:** Each product is listed with brand, model, color options, and key features.
- **Pricing Information:** Displays the product price along with available discounts.
- **Add to Cart Button:** Allows users to proceed to the **Buy Page** for checkout.
- **Stock Availability Indicator:** Shows whether the item is in stock or out of stock.

BUY PAGE



The illustration shows a payment form on a computer screen. A hand on the left holds a red credit card with the number 4585 8546 3272 7656. A hand on the right holds a yellow shopping bag. The form has three input fields: Name, Card Number, and Amount. Below the fields are 'Pay Now' and 'Clear' buttons. The background is a solid blue color.




PAYMENT

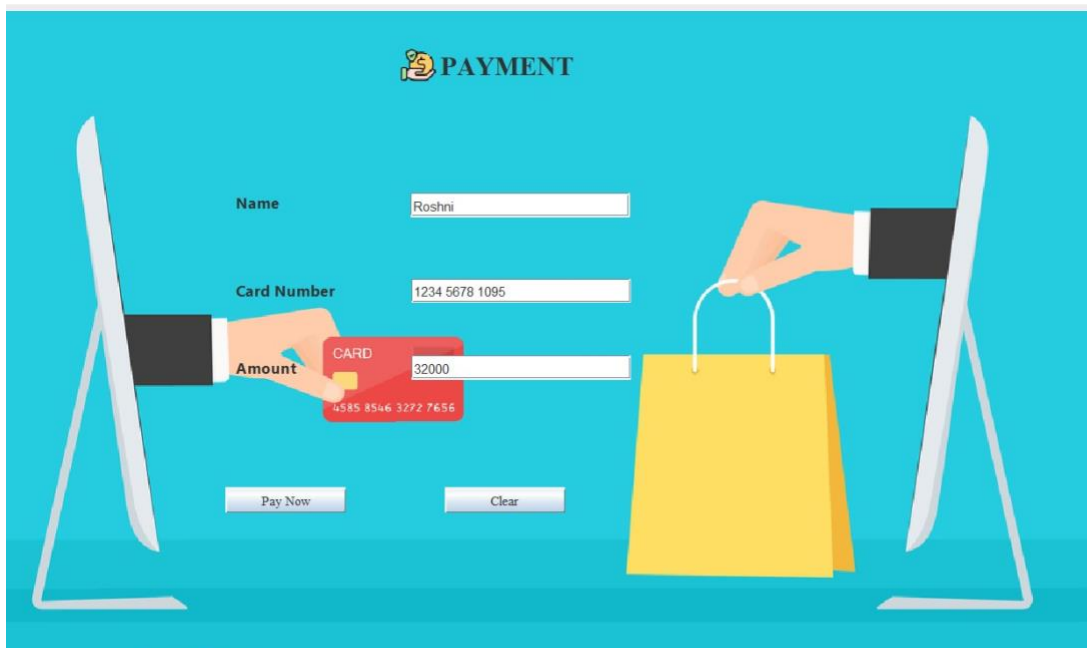
Name

Card Number

Amount

Payment Status:



The illustration shows the same payment form as above, but with the input fields filled with sample data. The hand holding the red credit card is now holding a card with the number 4585 8546 3272 7656. The hand holding the yellow shopping bag is now holding a bag with the number 1234 5678 1095. The form has three input fields: Name, Card Number, and Amount. Below the fields are 'Pay Now' and 'Clear' buttons. The background is a solid blue color.




PAYMENT

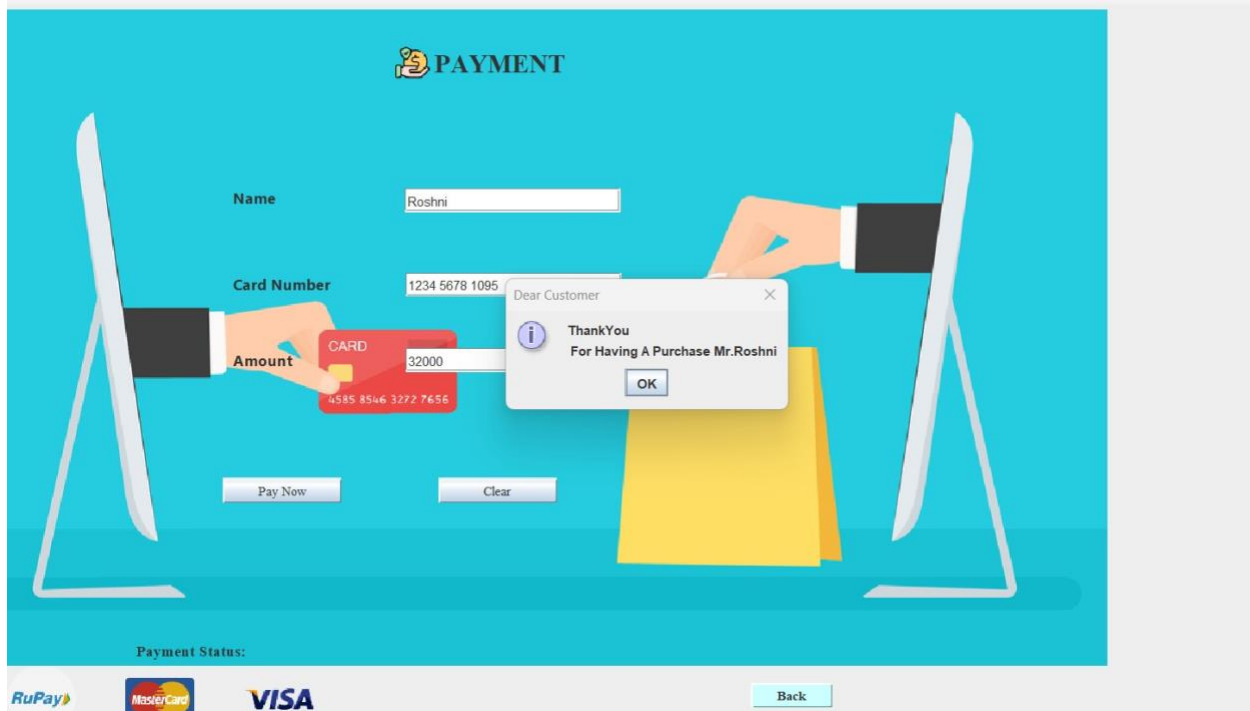
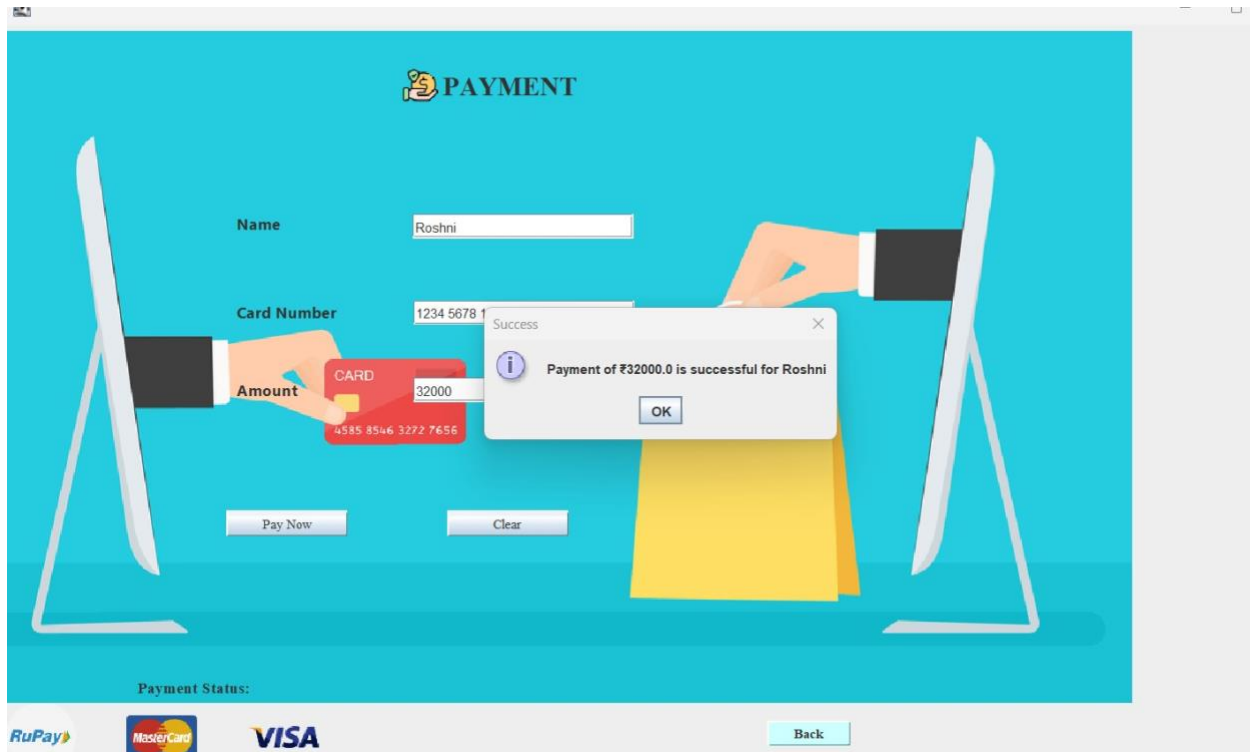
Name

Card Number

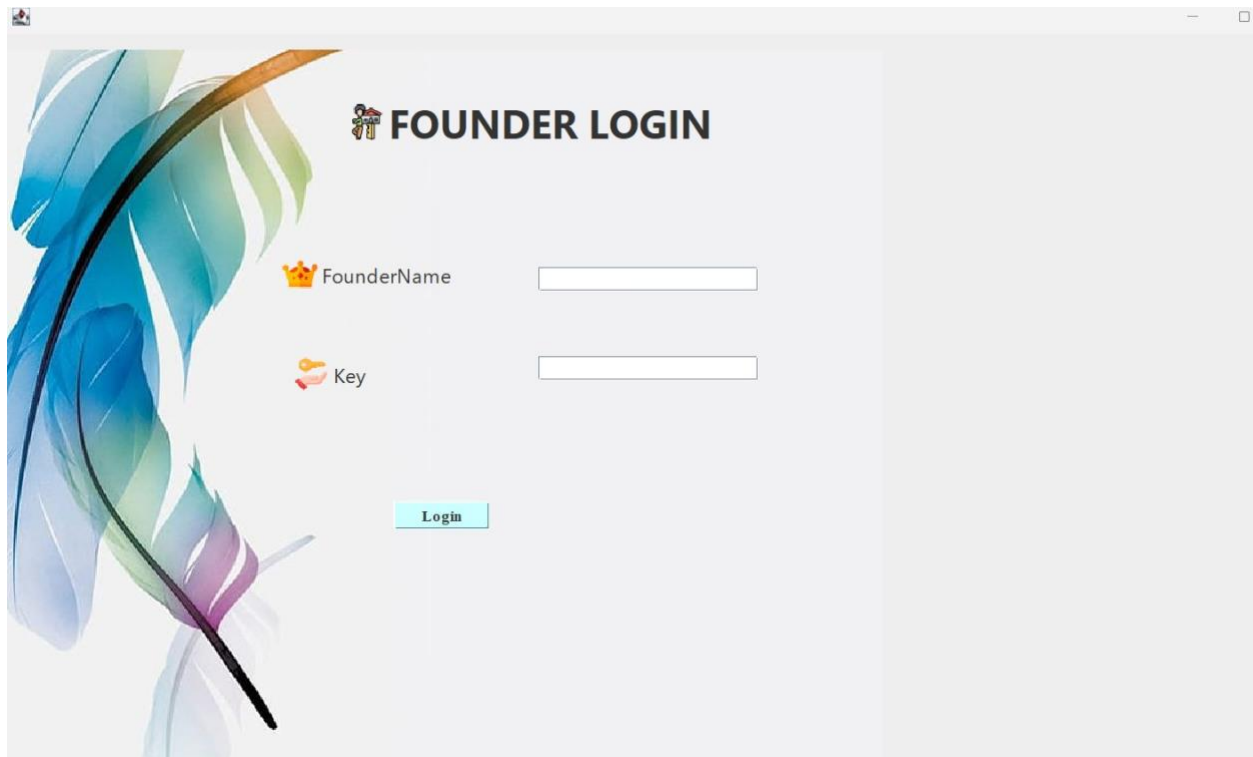
Amount

Payment Status:



FOUNDER LOGIN PAGE



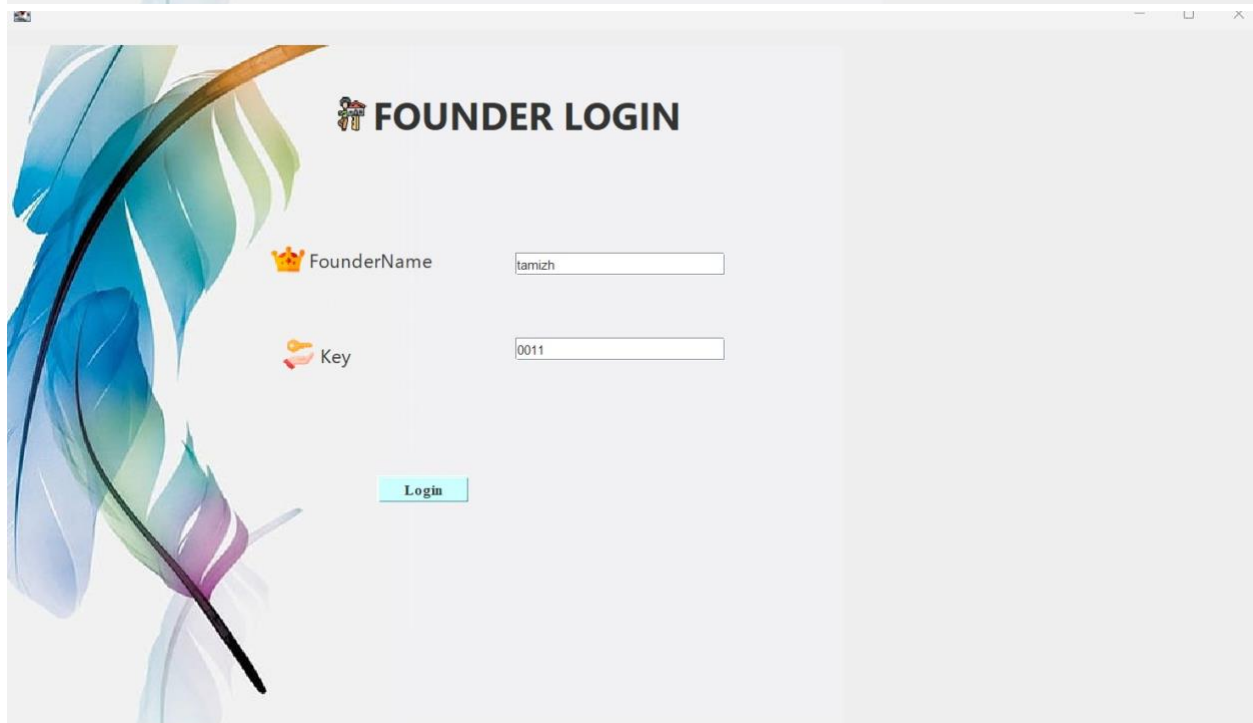
A screenshot of a web browser window displaying the 'FOUNDER LOGIN' page. The page features a decorative background on the left with stylized blue and green leaves. The title 'FOUNDER LOGIN' is prominently displayed at the top center, accompanied by a small icon of three people. Below the title, there are two input fields: 'FounderName' with a crown icon and 'Key' with a key icon. A light blue 'Login' button is positioned below the 'Key' field. Both input fields are currently empty.

FOUNDER LOGIN

FounderName

Key

Login



A second screenshot of the same 'FOUNDER LOGIN' page, but with the input fields filled. The 'FounderName' field contains the text 'tamizh' and the 'Key' field contains '0011'. The 'Login' button remains visible below the 'Key' field.

FOUNDER LOGIN

FounderName

Key

Login

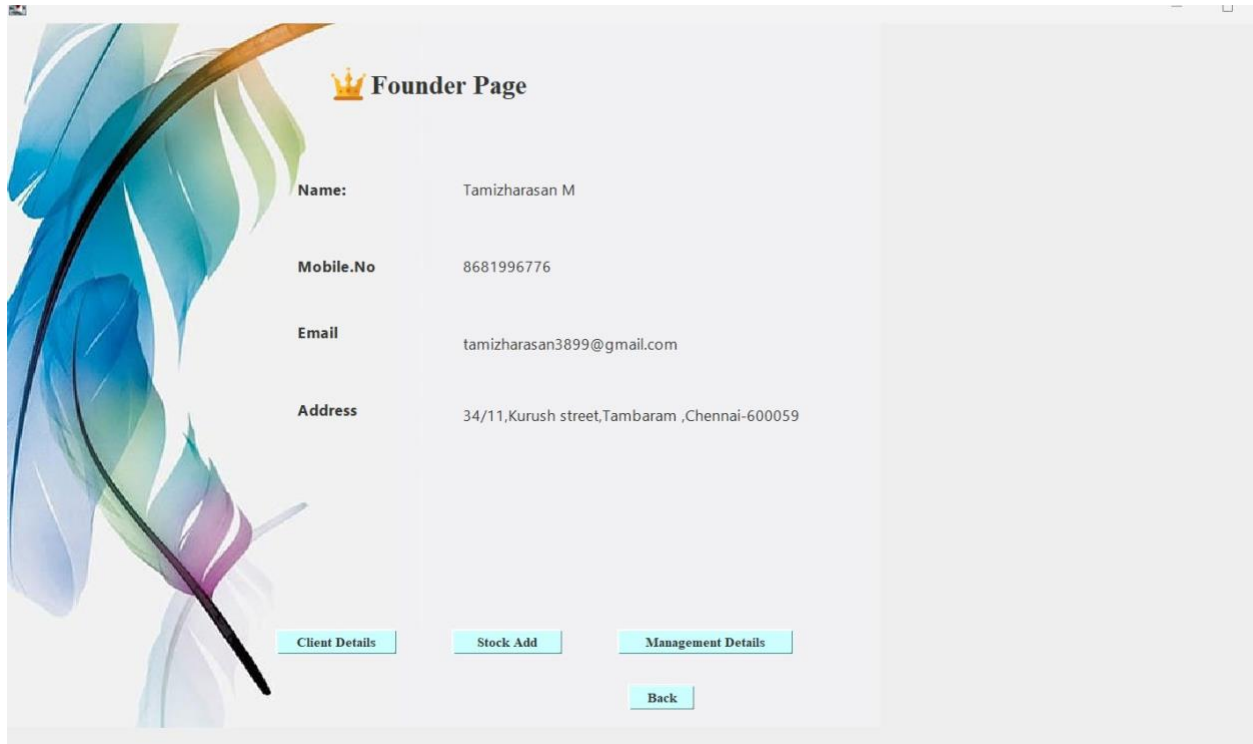
Description:

The **Founder Login Page** is restricted to business owners, providing them access to sensitive company-related data and management functionalities.

Features:

- **Exclusive Founder Credentials:** Only the founder can log in using a unique username and password.
- **Redirection to Founder Page:** Upon successful login, the user is directed to the Founder Page.
- **Secure Access Controls:** Ensures that unauthorized users cannot gain access

FOUNDER PAGE



Founder Page

Name: Tamizharasan M

Mobile.No 8681996776

Email tamizharasan3899@gmail.com

Address 34/11, Kurush street, Tambaram, Chennai-600059

[Client Details](#) [Stock Add](#) [Management Details](#) [Back](#)

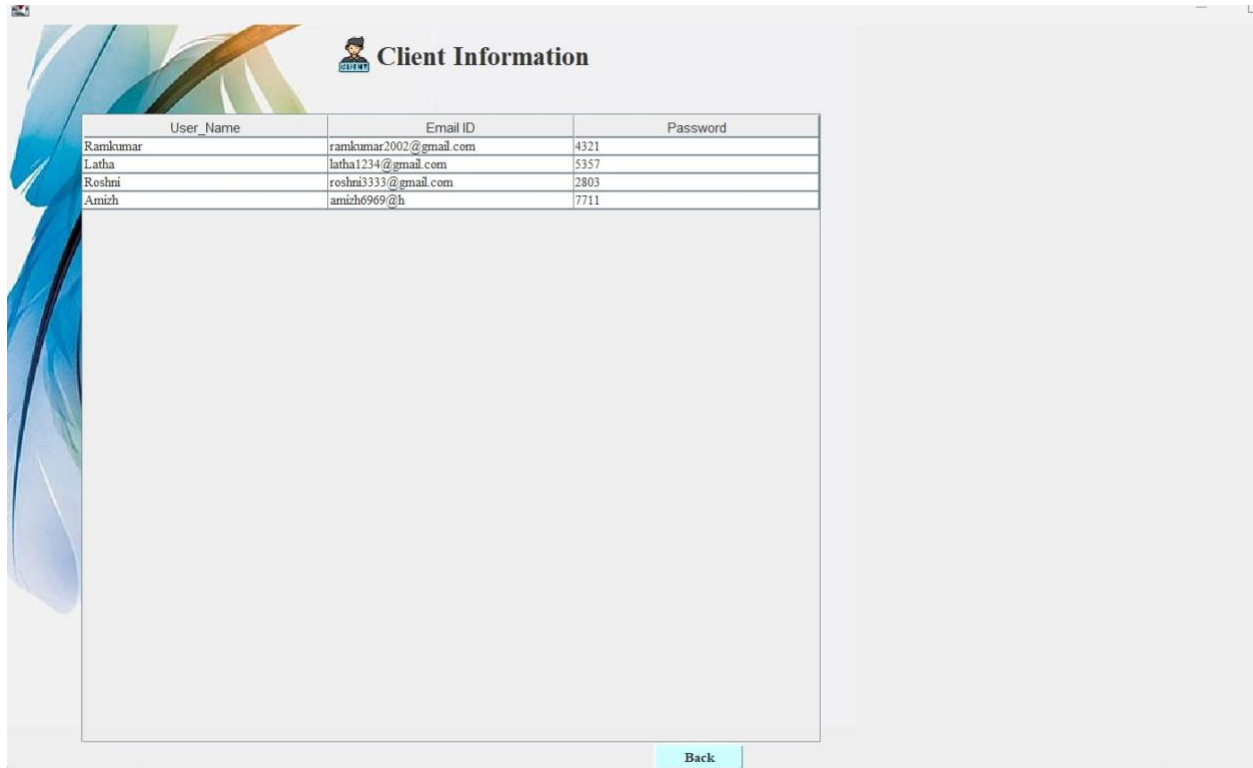
Description:

The **Founder Page** serves as the central dashboard for managing business operations, including clients, stock, and employee management.

Features:

- **Founder Details:** Displays the profile information of the founder.
- **Client Details Button:** Redirects to a page displaying all registered clients.
- **Add Stock Button:** Allows the founder to manage product inventory.
- **Management Details Button:** Provides access to employee details.

CLIENT DETAILS PAGE



The screenshot shows a web application window titled "Client Information" with a small icon of a person. On the left side of the window is a decorative graphic of blue and green feathers. The main content area contains a table with three columns: "User_Name", "Email ID", and "Password". The table lists four clients: Ramkumar, Latha, Roshni, and Amith. Below the table is a large empty rectangular area. At the bottom right of the window is a "Back" button.

| User_Name | Email ID | Password |
|-----------|------------------------|----------|
| Ramkumar | ramkumar2002@gmail.com | 4321 |
| Latha | latha1234@gmail.com | 5357 |
| Roshni | roshni3333@gmail.com | 2803 |
| Amith | amith6969@h | 7711 |

Back

Description:

The **Client Details Page** maintains a database of all registered clients, ensuring a structured approach to customer management.

Features:

- **List of Clients:** Displays **username, email, and password** for all registered users.
- **Edit and Delete Options:** Allows the founder to update or remove client records.
- **Search Functionality:** Helps locate specific clients quickly.

ADD STOCK PAGE

Stock

Fix

Brand

Fix

Model

Fix

Quantity

➕ Add

🗑 Delete

STOCK DETAILS

| Name | Brand | Model or Size | Quantity |
|------------|---------|---------------|----------|
| Data cable | Samsung | 05.m | 10000 |

🛒 BUY

Back

Stock

Laptop

Fix

Brand

Samsung

Fix

Model

25inch

Fix

Quantity

➕ Add

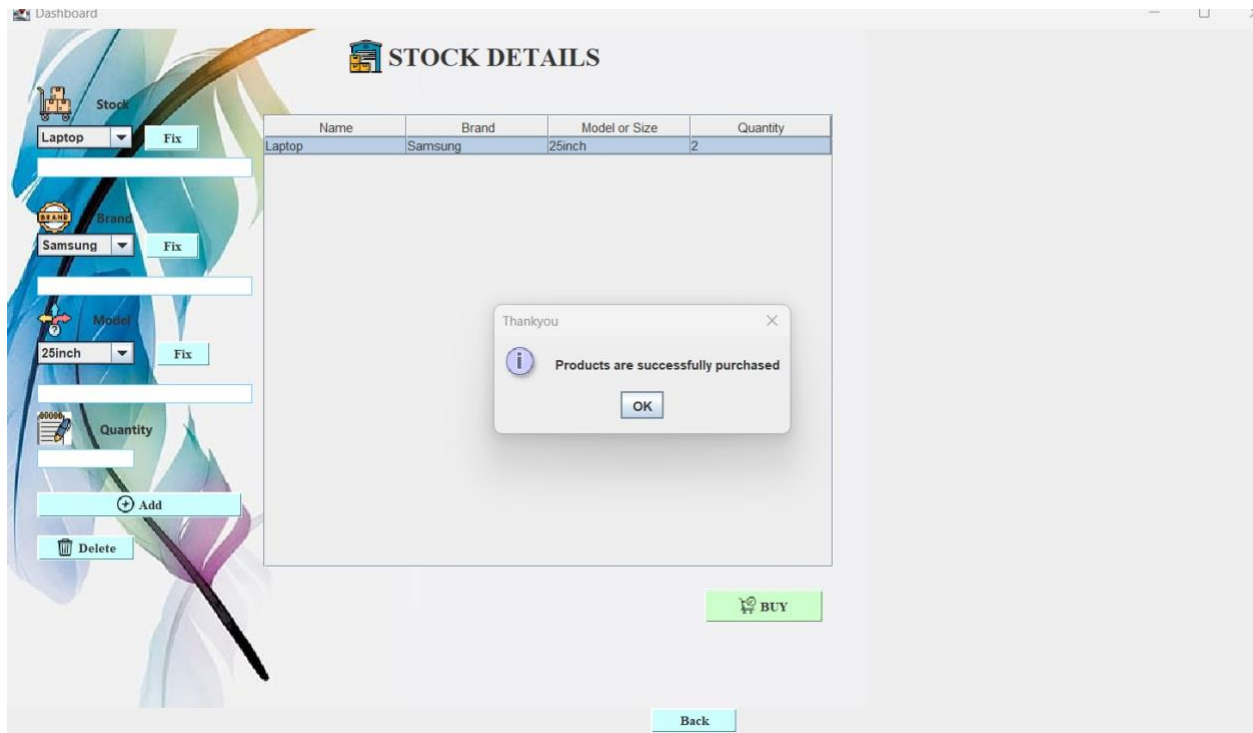
🗑 Delete

STOCK DETAILS

| Name | Brand | Model or Size | Quantity |
|------------|---------|---------------|----------|
| Data cable | Samsung | 05.m | 10000 |
| Laptop | Samsung | 25inch | 2 |

🛒 BUY

Back



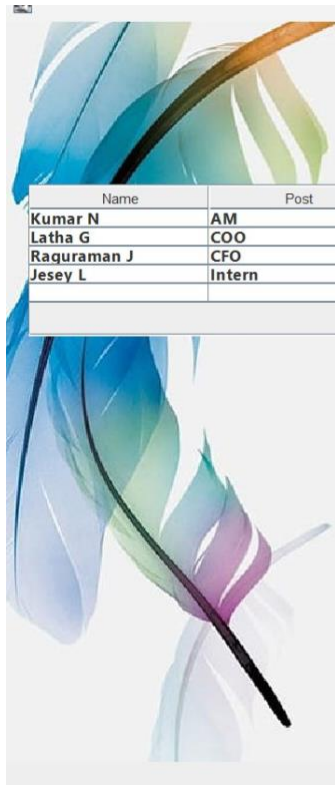
Description:

The **Add Stock Page** is designed to help the founder manage product inventory efficiently.

Features:

- **Product Entry Fields:** Allows the founder to add new **electronic gadgets**, including **brand, model, and quantity**.
- **Stock Refill Option:** Enables the purchase of additional stock when needed.
- **Stock Deletion Functionality:** Allows removal of outdated or unsold inventory.
- **Real-time Inventory Updates:** Ensures stock data is always accurate.

MANAGEMENT DETAILS PAGE



Employee Details

| Name | Post | Age | Date of Employment |
|-------------|--------|-----|--------------------|
| Kumar N | AM | 35 | 11 Mar 2016 |
| Latha G | COO | 26 | 28 Jan 2018 |
| Raguraman J | CFO | 44 | 11 Apr 2014 |
| Jesey L | Intern | 21 | 11 Dec 2022 |

Details


Emp1

Emp2

Emp3

Emp4

Back



Assistant Manager

Name

Kumar N

Age

35

Email

kumar345@gmail.com

Mobile.No

9833452464

Address

West Delhi, Delhi, INDIA


Native


Indian

Salary

9,00,000 p/a

Back



**Chief Operating Officer**

Name

Latha G

Age

26

Email

latha3929@gmail.com

Mobile.No

9161887632

Address

6/10,Jaisen Street,New Delhi


Native


Indian

Salary

5,00,000 p/a

[Back](#)



**Chief Financial Officer**

Name

Raguraman J

Age

44

Email

raguraman3877@gmail.com

Mobile.No

5269983269

Address

67/i Urish Street,Bangalore

Native

USA

Salary

8,50,000p/a

[Back](#)

Intern

| | |
|-----------|--|
| Name | <input type="text" value="Jesey L"/> |
| Age | <input type="text" value="21"/> |
| Email | <input type="text" value="jesey6969@gmail.com"/> |
| Mobile.No | <input type="text" value="9845673288"/> |
| Address | <input type="text" value="34/7, Gabin Street, Hyderabad"/> |
| Native | <input type="text" value="UK"/> |
| Salary | <input type="text" value="6,00,000p/a"/> |

[Back](#)

Description:

The **Management Details Page** provides an overview of all employees working within the company.

Features:

- **Employee Information:** Displays details such as **name, designation, email, age, mobile number, address, salary, and native place.**
- **Add/Edit Employee Data:** Allows modifications to employee records.
- **Payroll and Salary Management:** Helps in tracking employee salaries and payroll structure.
- **Employee Search Option:** Enables quick lookup of specific employees.

CONCLUSION

The **Business Management System (BMS)** is a comprehensive solution designed to streamline various business operations. It ensures an efficient product management process, secure client transactions, and seamless inventory and employee management. With the integration of **Core Java** and an interactive **GUI**, the system provides an intuitive user experience for both clients and the founder. The **BMS** enhances business efficiency, simplifies operations, and ultimately improves productivity. Future enhancements may include **automated reporting, AI-based customer recommendations, and cloud-based synchronization** for better scalability and performance. This system serves as a solid foundation for small and medium-scale businesses looking to optimize their operations in a digital landscape.