



Shop Management System

Distributed Database Management System Project



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Intake - 39(1)

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Introduction

Shop management System project is all-in-one solution which will help manage the shop and save time by automating and simplifying every day's operations.

Objectives

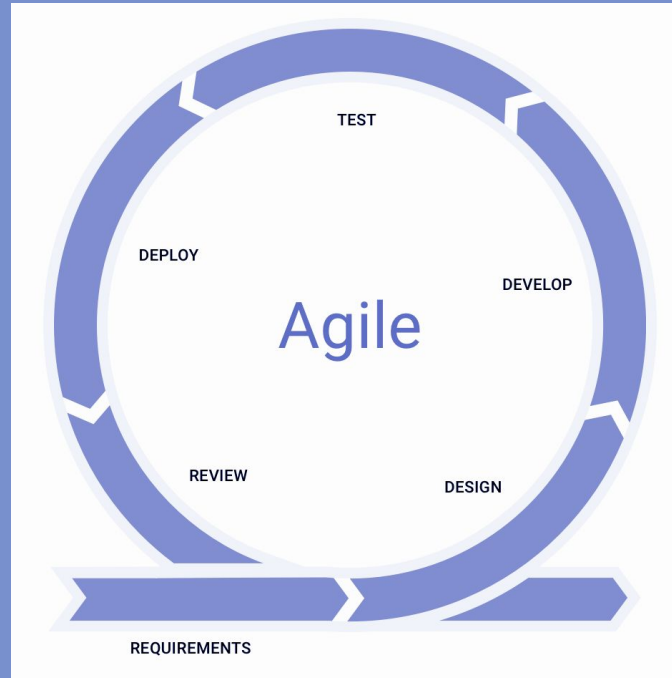
- Automate the existing manual system.
- Reduce time to manage the system of a shop.
- Data/information can be stored for a longer period with easy access.

Description of the system

A shop management system will use to manage shops effectively. It is a desktop-based system to reduce manual work.

- This system is for two different users.
- A login option for the user, employee.

Methodology



Diagram

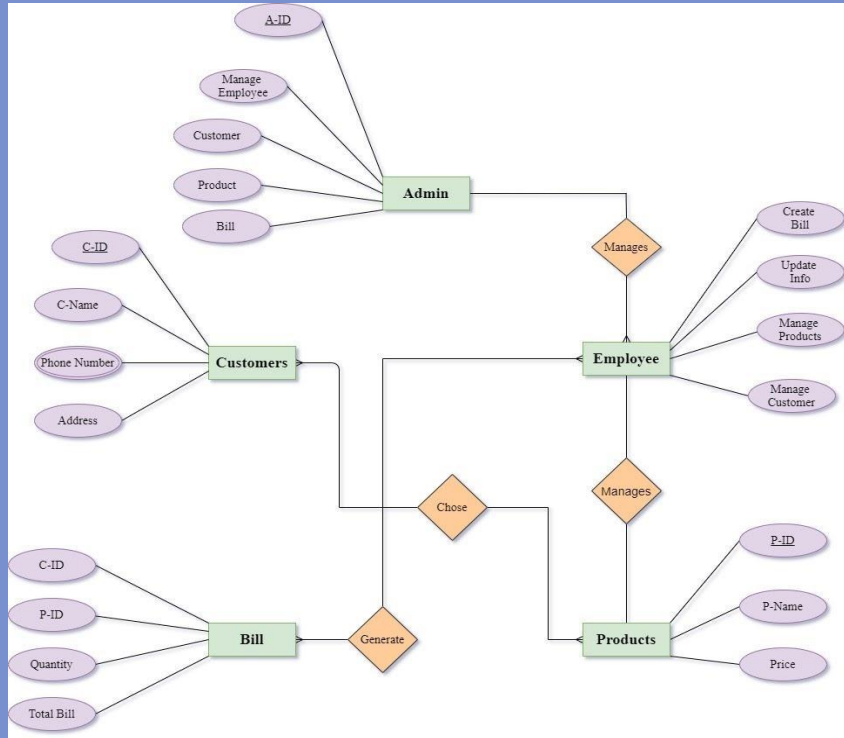
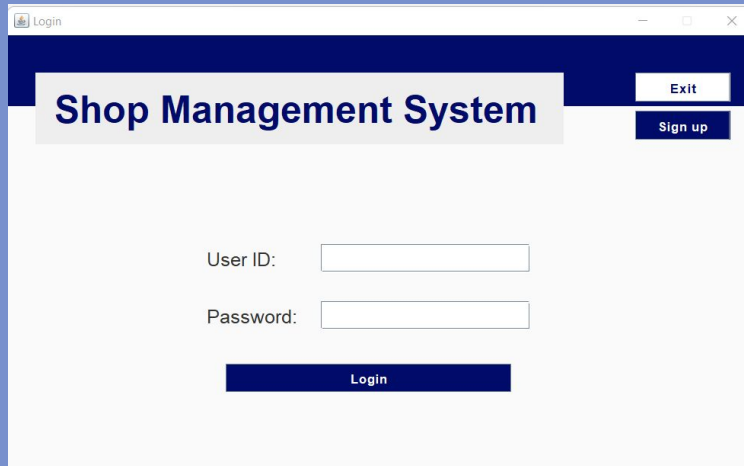


Figure: ER-Diagram

Software Specification

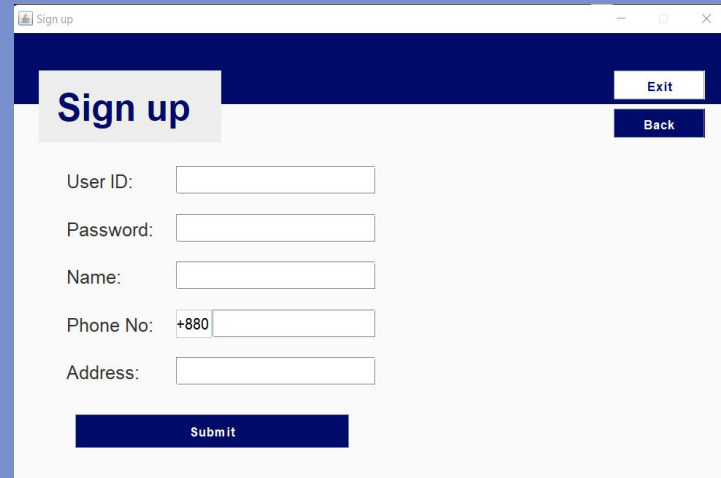
- Language: JAVA
- Database: SQL
- Database Server: Xampp
- IDE: Netbeans, Notepad ++
- Documentation tool: Google docs, slides.

How it looks



A screenshot of a web browser window titled "Login". The page has a dark blue header bar. On the left, a light gray box contains the text "Shop Management System". On the right, there are two buttons: "Exit" (white with dark blue text) and "Sign up" (dark blue with white text). The main content area is white and contains two input fields: "User ID:" and "Password:". Below these fields is a dark blue button with the text "Login".

Login



A screenshot of a web browser window titled "Sign up". The page has a dark blue header bar. On the left, a light gray box contains the text "Sign up". On the right, there are two buttons: "Exit" (white with dark blue text) and "Back" (dark blue with white text). The main content area is white and contains five input fields: "User ID:", "Password:", "Name:", "Phone No:" (with a "+880" prefix), and "Address:". Below these fields is a dark blue button with the text "Submit".

Submit

How it looks cont.



How it looks cont.

View Product

View Product

Logout

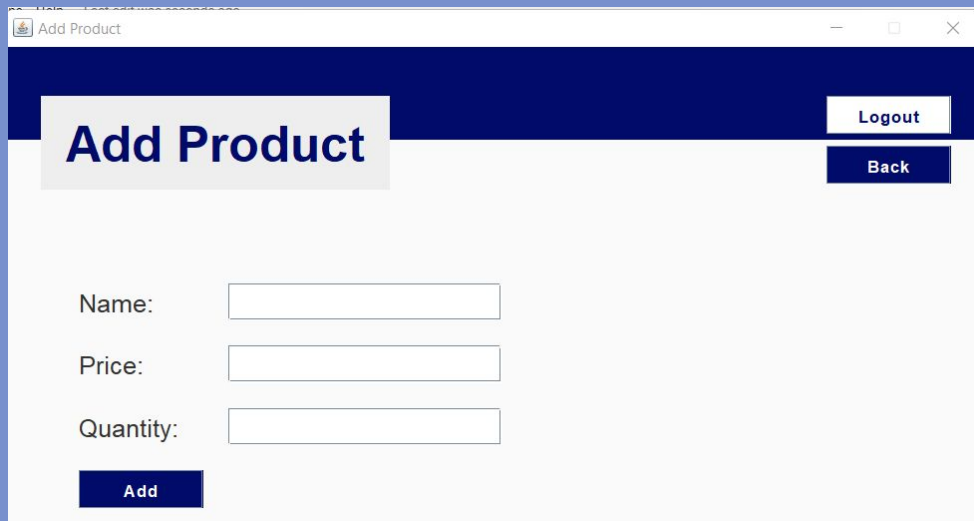
Back

Add

Keyword: By ID

PID	Name	Price	AvailableQuantity
1	Pen	50.0	5
2	Pringles	50.0	5
3	Frutika	55.0	1
4	Chocolate	60.0	5
5	Chewing gum	30.0	6

How it looks cont.



A screenshot of a web browser window titled "Add Product". The browser's address bar shows "http://localhost:3000/add-product". The page has a dark blue header bar. On the left side of the header, the text "Add Product" is displayed in a large, bold, white font. On the right side of the header, there are two buttons: "Logout" (white text on a dark blue background) and "Back" (white text on a dark blue background). Below the header, the main content area is white. It contains three labels with corresponding input fields: "Name:" followed by a text input field, "Price:" followed by a text input field, and "Quantity:" followed by a text input field. At the bottom left of the form, there is a dark blue button with the white text "Add".

http://localhost:3000/add-product

Add Product

Logout

Back

Name:

Price:

Quantity:

Add

How it looks cont.

View Customer

View Customer

Logout

Back

Keyword: By ID

CustomerID	CustomerName	PhoneNumber	Address
c001	Soha	+8801734567890	mirpur
c002	Anka	+8801745623789	Kuril
c003	Shammi	+8801563913789	Mirpur
c004	Prova	+8801863913190	Kakoli
c009	Halim	+8801893033138	Mohakhali
m001	Nusrat	+8801903839134	Dhanmondi

How it looks cont.

View Employee

View Employee

Logout

Back

Add

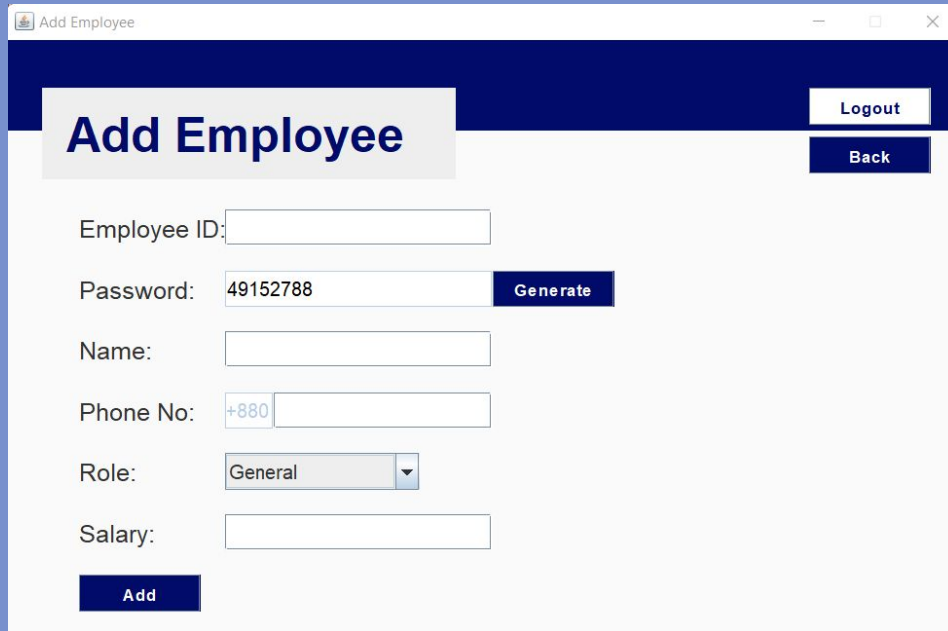
Keyword:

By ID ▼

Search

EmployeeID	EmployeeName	PhoneNumber	Role	Salary
e001	Nusrat	+8801234567890	Manager	50000.0
e002	Zaman	+8801234567129	General	30000.0

How it looks cont.

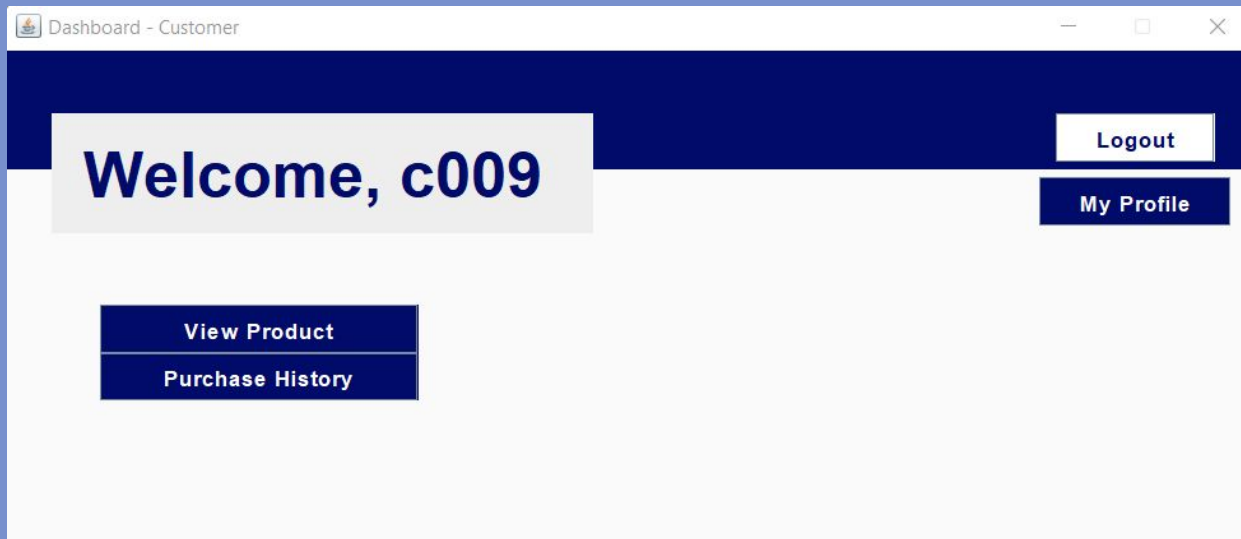


The screenshot shows a web browser window with the title "Add Employee". The page has a dark blue header bar. On the left side of the header, the text "Add Employee" is displayed in a large, bold, white font. On the right side of the header, there are two buttons: "Logout" (white with dark blue text) and "Back" (dark blue with white text). Below the header, the main content area is white. It contains a form with the following fields and controls:

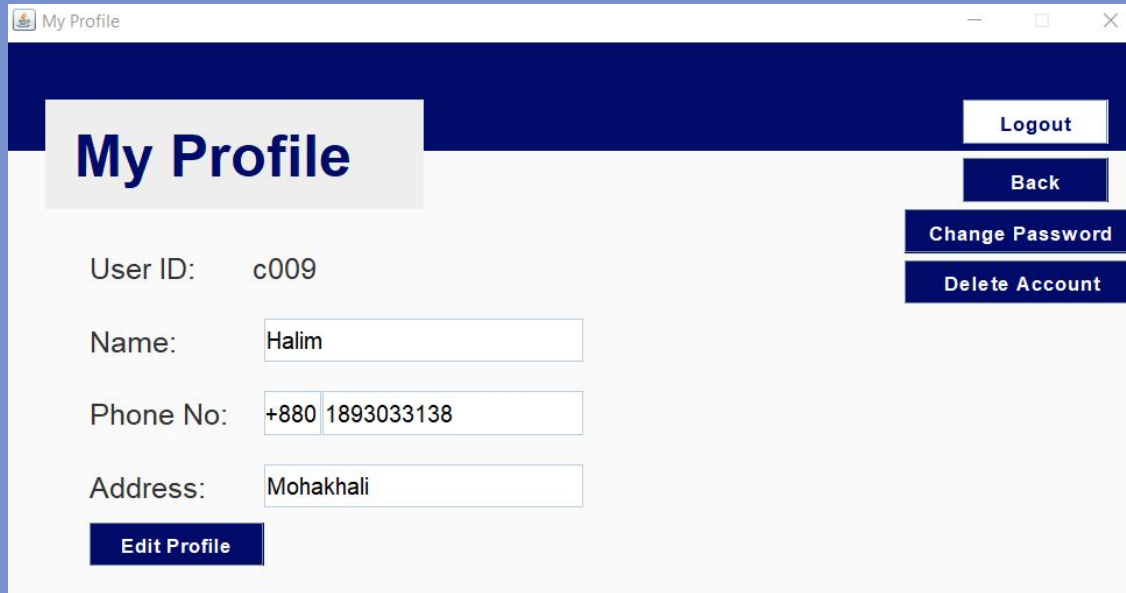
- Employee ID:** A text input field.
- Password:** A text input field containing the value "49152788". To its right is a dark blue button with the text "Generate" in white.
- Name:** A text input field.
- Phone No:** A text input field with a small box containing "+880" and a dropdown arrow, followed by another text input field.
- Role:** A dropdown menu with "General" selected and a dropdown arrow.
- Salary:** A text input field.

At the bottom left of the form area, there is a dark blue button with the text "Add" in white.

How it looks cont.



How it looks cont.



The screenshot shows a web browser window titled "My Profile". The page has a dark blue header bar. On the left, a light gray box contains the title "My Profile" in bold dark blue text. On the right side of the header, there are four stacked buttons: "Logout" (white with dark blue text), "Back" (dark blue with white text), "Change Password" (dark blue with white text), and "Delete Account" (dark blue with white text). Below the header, the main content area is white. It displays the following information: "User ID: c009", "Name: Halim" (with "Halim" in a text input field), "Phone No: +880 1893033138" (with "+880" and "1893033138" in separate text input fields), and "Address: Mohakhali" (with "Mohakhali" in a text input field). At the bottom left of the main content area, there is a dark blue button with white text that says "Edit Profile".

My Profile

User ID: c009

Name: Halim

Phone No: +880 1893033138

Address: Mohakhali

Edit Profile


Logout

Back

Change Password

Delete Account

How it looks cont.


 View Product

View Product

Logout

Back

Keyword:

By ID 

Search

PID	Name	Price	AvailableQuantity
1	Pen	50.0	5
2	Pringles	50.0	5
3	Frutika	55.0	1
4	Chocolate	60.0	5
5	Chewing gum	30.0	6

Future Works

Web based system so that each type of user can access from anywhere.

Conclusion

Shop Management System is a very necessary system for shop owners and employee. We tried to make such a system that helps people to find an easy way to use it.

Reference

- <https://www.softwaresuggest.com/blog/best-store-management-software/#>
- <https://www.slideshare.net/TanjarullIslamMishu/shop-management-system-80146639>



Thank You!