

BILLING SOFTWARE



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Introduction

- ✓ The billing software is an application in java which performs the process of billing of the store.
- ✓ This system is implemented using a 3-tier approach, with a backend database (MySQL), JDBC to give connectivity to various tables and Swing to design required Graphic User Interfaces in the software.



Problem Statement

- ✓ Existing system requires lot of paper work.
- ✓ Existing system does not support managerial decision-making.
- ✓ Data can not be shared in the existing system.



Objectives of Billing Software

- ✓ Make an easy to use environment for admin and employee.
- ✓ Add and maintain records of available/new products.
- ✓ Add and maintain employee details.
- ✓ Provides a convenient solution of billing pattern.

Functionalities of Billing Software

There are two modules in our project:

- (a) Admin Module
- (b) Employee Module

Admin Module:

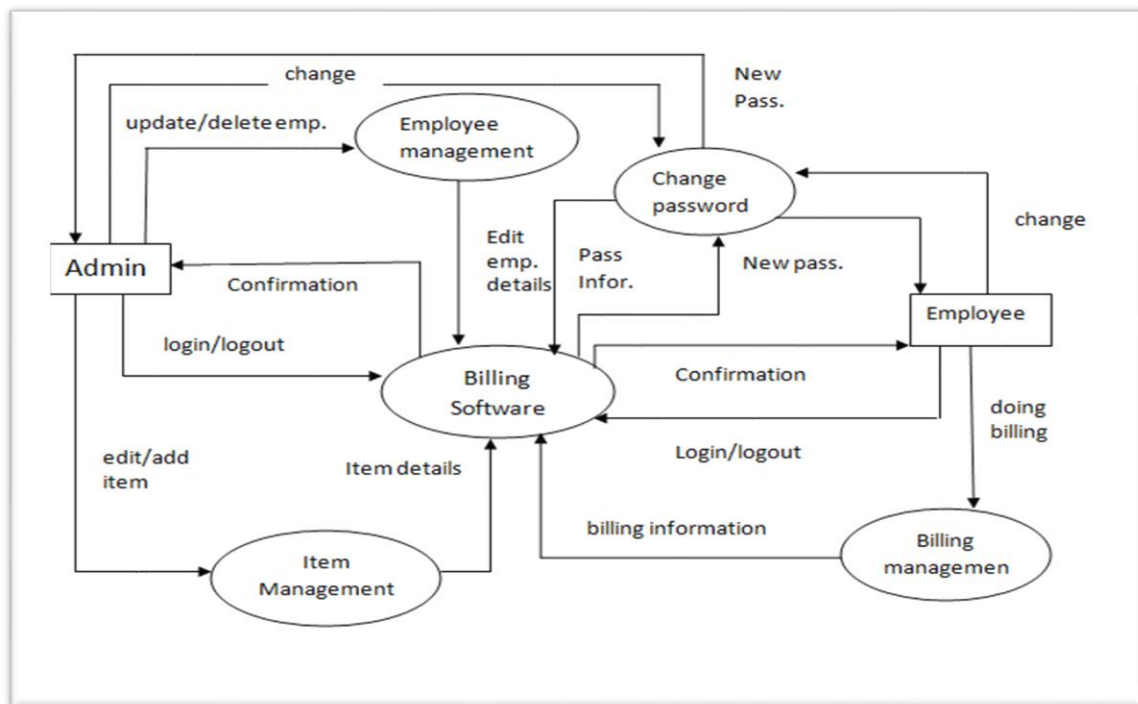
- ✓ The admin has to first login himself/herself with the registered email ID and password to access functionalities of administrator.
- ✓ Admin can use all functionalities on admin panel like 'Add Employee' , 'Edit Employee', 'Add Item', 'Edit Items', 'Change Password' and 'logout'.

Functionalities of Billing Software

Employee Module:

- ✓ The customer has to login himself/herself with the registered email ID and password to access functionalities of employee.
- ✓ When employee successfully login then he can use all functionalities on employee panel like 'Start Billing', 'product selection', 'Change Password' and 'Logout'.

DFD



Implementation Details

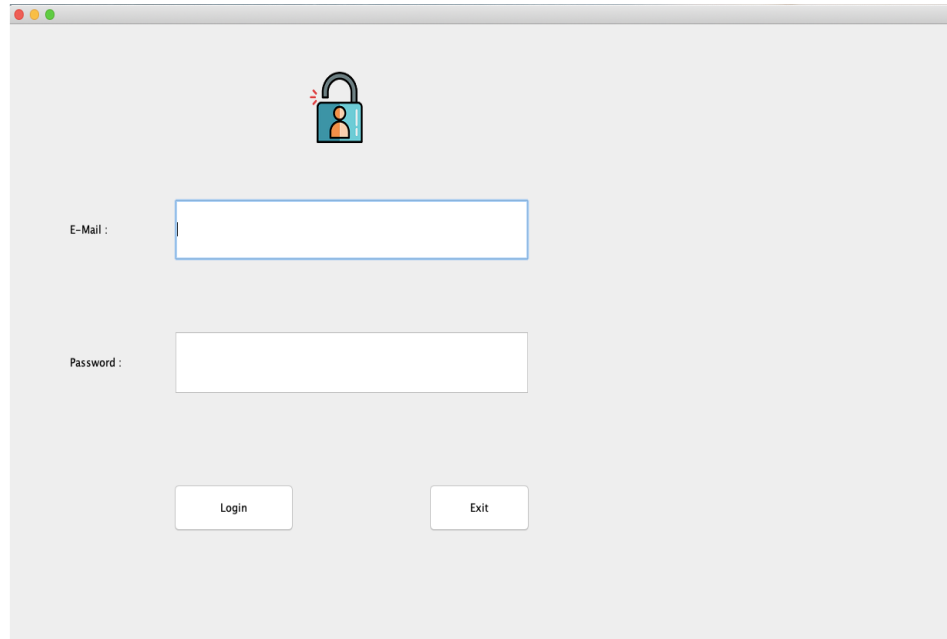
- ✓ **IntelliJ IDE** – As an integrated development environment(IDE).
- ✓ **Java Swing** - For front end development
- ✓ **Java JDBC** - For back end development
- ✓ **Xampp Server**- For database



Screenshots: Start Panel



Screenshots: Login Page



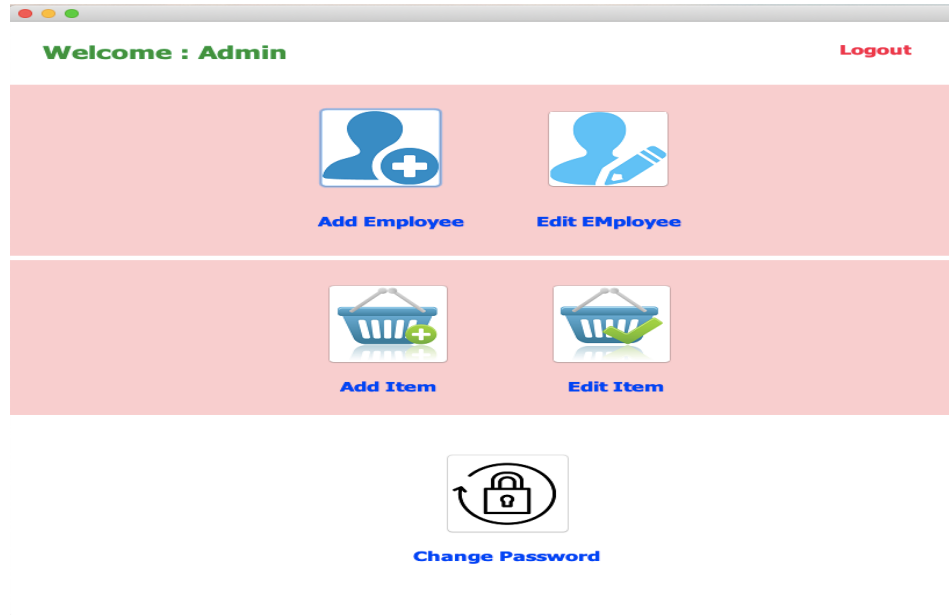
A screenshot of a login page window. The window has a standard macOS-style title bar with red, yellow, and green buttons. The background is light gray. At the top center is an icon of a blue padlock with a person silhouette inside. Below the icon are two input fields: one for 'E-Mail' and one for 'Password'. At the bottom are two buttons: 'Login' and 'Exit'.

E-Mail :

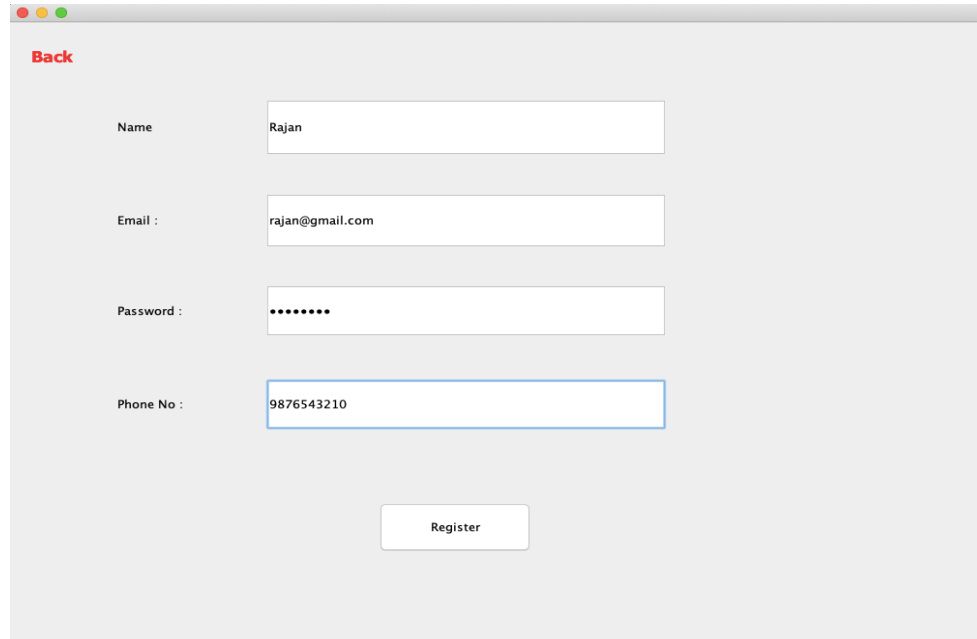
Password :

Login Exit

Screenshots: Admin Panel



Screenshots: Add Employee



A screenshot of a web application window titled "Add Employee". The window has a light gray background and a standard macOS-style title bar with red, yellow, and green buttons. In the top-left corner, there is a red "Back" link. The form contains four input fields, each with a label to its left: "Name" with the value "Rajan", "Email :" with the value "rajan@gmail.com", "Password :" with masked characters "*****", and "Phone No :" with the value "9876543210". The "Phone No" field is currently selected, indicated by a blue border. At the bottom center of the form is a white "Register" button with a gray border.

[Back](#)

Name

Email :

Password :

Phone No :

Screenshots: Edit Employee

Back

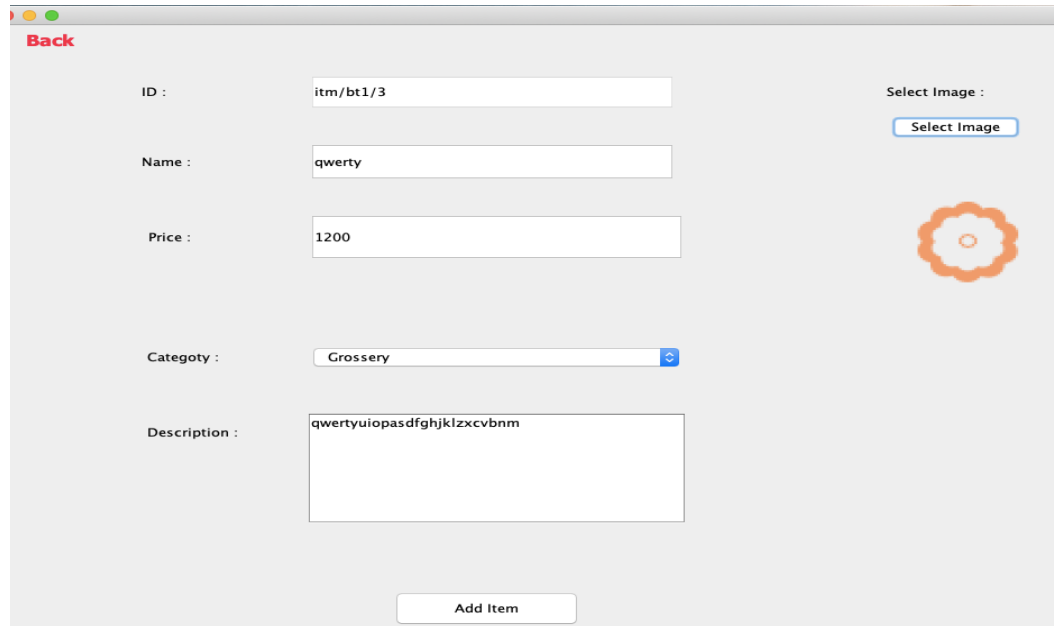
Sr. No	Name	Email
1	Admin	admin@gmail.com
2	ravi	ravi@gmail.com
3	raju	raju@gmail.com
4	Rajan	rajan@gmail.com

Name :

Password :

Phone No :

Screenshots: Add Item



The screenshot shows a web application window with a light gray background. At the top left, there is a 'Back' button in red text. The form contains several input fields and a dropdown menu:

- ID :** A text input field containing 'itm/bt1/3'.
- Name :** A text input field containing 'qwerty'.
- Price :** A text input field containing '1200'.
- Category :** A dropdown menu with 'Grocery' selected.
- Description :** A large text area containing 'qwertyuiopasdfghjklzxcvbnm'.

On the right side of the form, there is a 'Select Image' button and a placeholder image of a flower. At the bottom center, there is an 'Add Item' button.

Screenshots: Edit Item

Back

Sr. No.	Item ID	Item Name
1	itm/bt1/1	rana
2	itm/bt1/2	hill
3	itm/bt1/3	qwerty

Name :

qwerty

Price :


1200

Category :

Grossery

Description :

qwertyuiopasdfghjklzxcvbnm

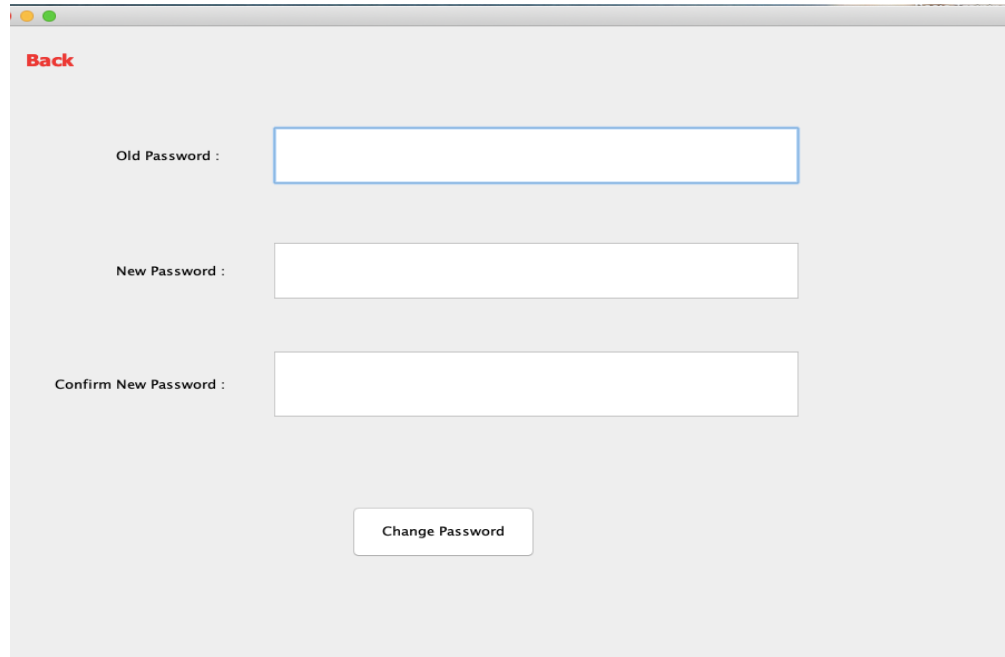


Select Image

Update

Delete

Screenshots: Change Password



A screenshot of a web application window with a light gray background. At the top left, there is a red "Back" link. Below it, there are three input fields for password entry, each preceded by a label. The first field is labeled "Old Password :", the second "New Password :", and the third "Confirm New Password :". At the bottom center, there is a button labeled "Change Password".

Back

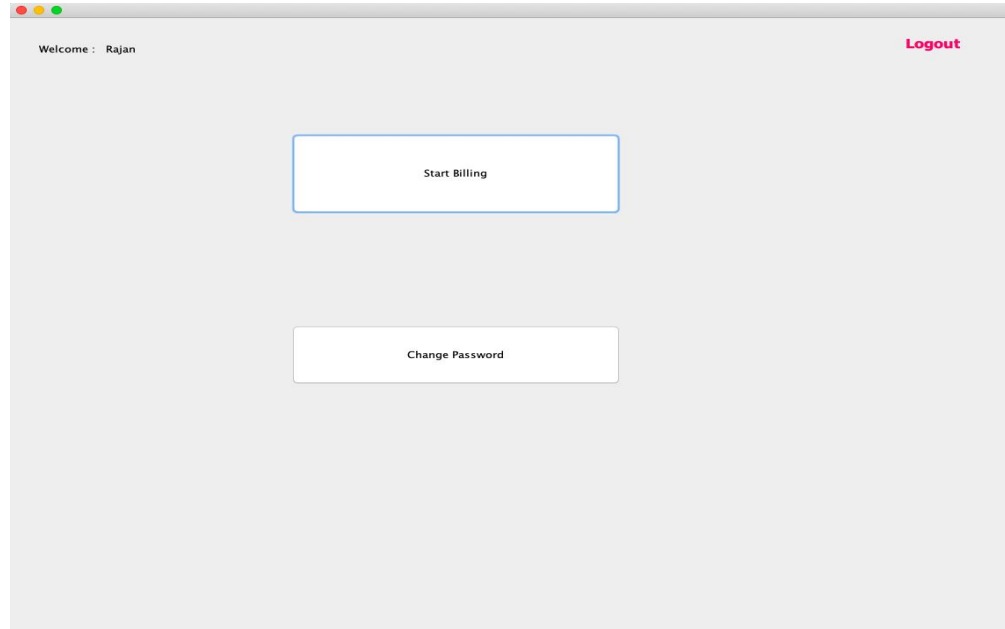
Old Password :

New Password :

Confirm New Password :


Change Password

Screenshots: Employee Panel



Screenshots: Item Selection

Back

Item ID :	<input type="text" value="itm/bt1/3"/>	Image
Item Name :	qwerty	
Item Price :	1200	
Item Category :	Grossery	<input type="text" value="1"/>
Item Description :	<input type="text" value="qwertyuiopasdfghjklzxcvbnm"/>	1200
<input type="button" value="Add To Cart"/>		<input type="button" value="Continue"/>

Screenshots: Final Bill of Items

Back

Sr.No	Item ID	Item Name	Item Price	Item Quantity	Total Price
1	itm/bt1/2	hill	230	2	460

1

UpdateDelete

Total Price : 460

Conclusion

- ✓ This system can be used to store stock data efficiently and helps in smooth functioning of business.
- ✓ It stores the details of employees, customers and items sold in shop and also update every detail.
- ✓ The admin can maintain and edit the employee's details (i.e., name, password and contact no.) and regularly update them in admin panel.
- ✓ It is easy to run business fast with such type of system.

*Thank
You!*

