

# **CAPSTONE PROJECT REPORT**

(Project Term January-May 2023)

**(TITLE OF THE PROJECT)**

**GENERATING INVOICE FOR SUPERMARKET CUSTOMER**

**Submitted by :**

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**Registration Number : 12112147**

**Course Code: CSE310**

Under the Guidance of

**(Name of faculty mentor with designation)**

**Ranjith Kumar A**

**School of Computer Science and Engineering**



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**L** OVELY  
**P** ROFESSIONAL  
**U** NIVERSITY

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## DECLARATION

We hereby declare that the project work entitled (“Supermarket billing system”) is an authentic record of our own work carried out as requirements of Capstone Project for the award of BTech degree in computer science and engineering (Program Name) from Lovely Professional University, Phagwara, under the guidance of (Ranjith Kumar A), during January to May 2023. All the information furnished in this capstone project report is based on our own intensive work and is genuine.

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(Signature of Student 1)  
Date:

(Signature of Student 2)  
Date:

(Signature of Student 3)  
Date:

## **CERTIFICATE**

This is to certify that the declaration statement made by this group of students is correct to the best of my knowledge and belief. They have completed this Capstone Project under my guidance and supervision. The present work is the result of their original investigation, effort and study. No part of the work has ever been submitted for any other degree at any University. The Capstone Project is fit for the submission and partial full fillment of the conditions for the award of BTech degree in computer science and engineering(Programme Name) from Lovely Professional University, Phagwara.

**Signature and Name of the Mentor**

**Designation**

**School of Computer Science and Engineering,**  
Lovely Professional University,  
Phagwara, Punjab.

Date :

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## ➤ **INTRODUCTION:**

Project allocated to our team is Super market billing system. It is single User interface.

This Mini project of Super market billing system is purely made in java, with a good user-friendly interface which lets user selects the various items in order to generate the invoice and bills.

A supermarket billing system is a computerized system used in supermarkets and other retail stores to manage and process customer transactions.

## ➤ **OBJECTIVE:**

The main objective of this project is It is basically a graphical user interface used for generating invoices and receipts for customers on their purchases in the super market and reduce manual errors.

## ➤ **MODULE DESCRIPTION:**

There are four windows consists of Text fields that the user is required to fill the general information in order to login to home page and also buttons to select the items.

- Login page
- Register page
- Home page
- Billing page

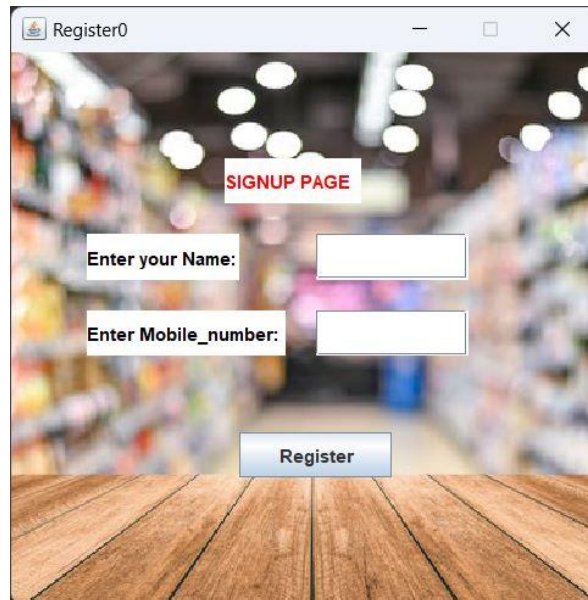
➤ **LOGIN PAGE:**

- Login page consists of text field that user need to enter mobile no and two buttons Login and register
- If you are new to this super market we need to register on click the Register button
- If you are an existing customer you can login by Using your mobile no



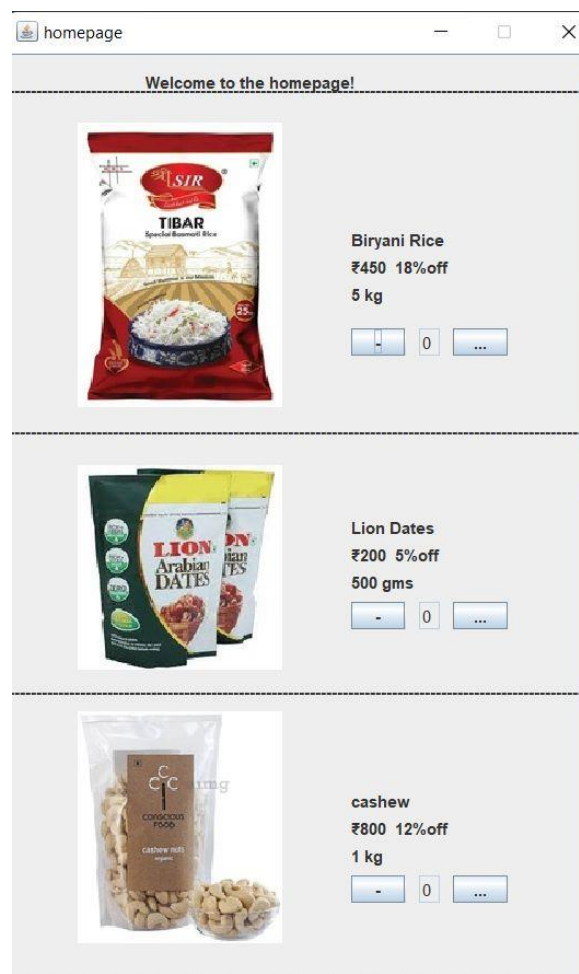
➤ **REGISTER PAGE:**

- Register page contains two text fields and button that user need to enter mobile no and name and click on register button
- The entered values are stored in a table of database



➤ **HOME PAGE:**

- Home page consists of list of items that customer need to select and one button to add items and reduce items



### ➤ **BILLING PAGE:**

- Billing Page consists of General information of customer like Mobile No, Name of the customer and Items purchased by the Customer and its prices and Total Money of the items including GST

The screenshot shows a Java Swing window titled "billpage" with a pink background. The window displays the following information:

Verito\_mart  
LOVELY SUPERMARTS LTD

customername: pavan  
mobilenno: 333  
2023/04/23 22:18:30

Batch_no	Particulars	Wt	Qty	Price	Cgst(₹)	Sgst(₹)	Value
BR@202301	Biryani Rice	5kgs	2	450	45.0	45.0	900
LD@202302	Lion Dates	500 gms	2	200	20.0	20.0	400

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Items: 4      total: 1170.0      65.0      65.0      1300

-> if customer purchase more than 1000 they will get 5% discount else 5000 they will get 10% & below 1000 no discount

total after getting discount: 1235.0

Print

### ➤ **LIBRARIES USED:**

This project uses Jframe library which is used to make the G.U.I.

Some modules of Jframe used are buttons, Text fields, labels and actionlistener.

All here are used to generate the invoices and receipts for customer.



## DIVISION OF THE PROJECT:

<u>S.No</u>	<u>Name of the Student</u>	<u>Work Contribution in Project</u>
1.	M Pavan Sai	Responsible for billing page
2.	G Sai Kiran	Responsible for Login and Register Page
4.	A Devi Sree	Responsible for Home page

### ➤ **FUTURE SCOPE:**

- The supermarket billing system is built to help supermarkets calculate and display bills and serve the customer in a faster and efficient manner

### ➤ **CONCLUSION:**

- We have successfully completed the project, and designed supermarket billing system. It is crucial for the efficient operation of modern retail stores. It improves accuracy, reduces manual errors.