

**Point of Sale**

Submitted by

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A project submitted as a partial fulfillment of the course   
Object Oriented Programming Laboratory, Section: I

of

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**Project Description:**

Point of sale (also called POS or checkout, during computerization later becoming electronic point of sale or EPOS) is the place where a retail transaction is completed. It is the point at which a customer makes a payment to the merchant in exchange for goods or services. At the point of sale, the retailer would calculate the amount owed by the customer and provide options for the customer to make payment. The merchant will also normally issue a receipt for the transaction.

**Motivation and Challenges:**

**Motivation:**

Since Java is vastly used in Developing Enterprise software, so I thought that if I make something related to business it would be better. For this reason I have chosen this project.

**Challenge:**

GUI was harder to implement and I tried to make my project simpler as I can. Another challenge was to embed icon, logo and picture on JLabel and JButton.

**Features:**

**Menu:**

**Customer Management:**

Add/Lookup/Delete Customer.

**Employee Management:**

Add/Lookup/Delete Employee.

**Store:**

Store Details-Saving & Retrieving.

**Settings:**

User Add/Delete/Changing Password.

Theme Changing.

**Inventory:**

Item Lookup

**Sales:**

Add Customer

Customer Lookup

Add Sales Order to Cart

Sales Order Cart Lookup

Make Invoice

**Purchase:**

Add new product to the inventory

**Log:**

Sales and purchase log

**Implementation and Outcome:**

**Libraries:**

Java default API

java.awt

java.io

javax.swing

javax.imageio

java.beans

java.util

java.text

java.sql etc

JDBC Driver for SQLite

As Storage- Files, Object Serialization & SQLite Portable Database

**Usability:**

**Efficient**: With the aid of User friendly screen interfaces, you can process your sales quickly and efficiently.

**Easy to learn**: No expensive training for staff as easy to learn.

**Secure**: Handles the visibility of sales, purchases, stock counts etc.

**Conclusion:**

**Objectives for the project:**

Implementing a point of sale to assist in sales and transactions in a small business & The program will be easy to use, reliable, and secure. It also will be fully customizable by the administrator.

**Achievement:**

One of my main goal was to make software easy to use for users. And designing look of the software modern, sleek and clean without help of Java FX & third-party tools which I’ve succeeded by only using swing.

Another target was to make Interface of my software somewhat different & intuitive, so that it can easy to use for the layman.