

# Dionysus Sale System

## Introduction

- The project aims to create a POS software for a computer hardware store that can also be used for online stores. The software will allow customers to place orders and make payments, and will also provide the manager and customers with access to previous transactions.

## Background of the study

- Cash registers are commonly used by businesses to compute tax, tips, and discounts
- A Point of Sale (POS) System is used as an alternative to Cash registers to cater to more customers.
- POS Systems can be implemented in both physical and online stores making it great for adaptability.
- POS Systems can save data to the cloud unlike cash registers where you might lose your data

## Objectives

### General Objectives

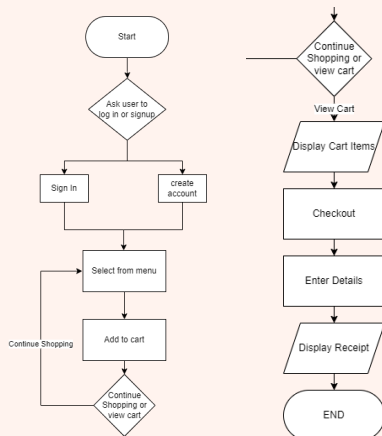
- To improve our skills in creating flowcharts and pseudocode.
- To enhance our proficiency in the Python programming language.
- Apply all the relevant concepts and topics covered in the LBYCPA1 syllabus to the program.

### Specific Objectives

- Develop a Point of Sale (POS) program for a computer hardware shop.

## Methodology

### Flowchart



## Results

```
Welcome, end
Would you like to:
1 - Go shopping
2 - View your cart
3 - Checkout
4 - Save Cart
5 - View saved carts
6 - Clear Cart
7 - Check your Previous orders
8 - check your account details
9 - Log out
```

- The final code is a shopping system which can buy from menu, save and load cart, view transaction history, and save account details, connected to a login system where they are saved in a per account basis.

MENU		
ID	Name	Price
0	Travelpro® G15 12G (GTX 1650)	P32800
1	Xitrix GX3 (Z790) elite Gaming PC	P93800
2	Xitrix® GX18 NANO AMD Gaming PC	P46800
3	Travelpro® U112 Premium Ultrabook	P42800
4	WEP-2413 24" Full HD 75Hz Professional VA Monitor	P6800
5	DeskFrame® E305R AMD Desktop	P20800
6	Xitrix® GX2R (X670) Gaming PC	P116800
7	Xitrix® G11 (H610) gaming PC	P24800
8	Xitrix® GX1 NANO Gaming PC	P46800
9	Xitrix® G27 12G Gaming AIO PC	P30800
10	DeskFrame® E310 12G CPU	P24800
11	Xitrix® GQ2 (Z690 D4) Gaming PC	P67800
12	Travelpro® GX15 (RTX3070) 3080z	P102800
13	Travelpro® M15	P46990
14	CANON G3020 Wireless 3IN1(Print, Copy, Scan) CIS Printer	P11400
15	Xitrix® GX48 40" 4K UHD 138Hz OLED Gaming Monitor	P73000
16	Xitrix® GX2R Creator PC	P246800
17	OptoFrame® M130 SFF	P55000
18	Xitrix® 90W LAPTOP Power Adapter	P1800
19	Crucial P5 Plus PCIe 4.0 M.2 2280SS Gaming SSD	P4800

Enter the id of the item you wish to buy: 0

## Conclusion

- by adding new features and functionalities, the point-of-sale system created for the computer hardware store can be improved even more
- The shopping system can be connected to inventory management systems to monitor stock levels and update the database when things are sold