Project Title

Canteen Self Checkout Register System

Problem Statement

Canteen lines waste time. Manual checkout slows service and causes billing mistakes. Students and staff lose time waiting. A self checkout system fixes this issue. It gives users control over their purchases and make transactions faster.

Project Objectives

Makes a simple self checkout program to use at the canteen.

Let users select and pay for items by themselves.

Make price computation automatic.

Make less mistakes and waiting time.

Keep a basic record of transactions for review.

Planned Features

Menu of items with prices.

Add or remove items from a cart.

Automatic calculation of the total cost.

Payment and change display.

Receipt summary after each transaction.

Admin access to edit items or prices.

Planned Inputs and Outputs

Inputs:

Item choice

Quantity

Payment amount

Outputs:

List of purchased items

Total cost

Change

Receipts

Logic Plan (Pseudocode)

Start

Output list of items and prices

Set total = 0

Ask user to select an item and quantity

Total = (price × quantity) + total

Ask if user wants to add another item

Repeat until done

Output total

Deduct from student/faculty balance

If balance < total, show “Not enough money”, ask again

Else balance = balance – total

Output all items bought, receipt, and new balance

End

GitHub Repository Link

https://github.com/rjnegad/camia\_NegadLim