Super Market Bill Generation - Project Documentation

Project Title:

Super Market Bill Generation

Developed by:

Chennareddy

Description:

This is a simple Python console-based application designed to simulate the billing process in a supermarket. The user can input their name, view available items with prices, select items to purchase along with quantities, and receive a detailed bill including GST.

Features:

- Display list of available items with prices.
- Accept customer item selections and quantities.
- Calculate item-wise prices and total cost.
- Apply 5% GST on the total amount.
- Generate and display a formatted bill with date and time.
- Simple and user-friendly CLI interface.

Technologies Used:

- Language: Python 3
- Libraries: datetime (for timestamping the bill)

Super Market Bill Generation - Project Documentation

Code Structure:

1. Item List: A multi-line string displaying item names with price per unit.

2. Items Dictionary:

```
items = {
    'rice': 50,
    'sugar': 20,
    'salt': 20,
    'oil': 80,
    'panner': 120,
    'boost': 90,
    'colgate': 80
}
```

3. Customer Interaction: Prompts user for name, shows items, accepts selections.

4. Price Calculation: Computes totals and GST.

5. Bill Generation: Displays formatted bill with time and pricing breakdown.

Sample Run:

```
----------welcome----------
Enter your name: Chennareddy
for list of items press 1 : 1

rice    Rs 50/Kg
```

Super Market Bill Generation - Project Documentation

Sugar Rs 20/kg

...

If you want to buy press 1 or 2 for exit : 1

Enter your item: rice

Enter Quantity: 2

Can I bill items yes or no : yes

========== chenna supermarket ==========

vanaparthy

Name: Chennareddy Date: 2025-05-08 14:30:00

SNo. Items Quantity Price

0 rice 2 100

Total Amount: Rs 100

GST Amount: Rs 5.0

Final Amount: Rs 105.0

Thanks for visiting

Suggestions for Improvement:

- Use functions to organize code (e.g., display_items(), calculate_bill()).

- Validate item input more gracefully (case insensitivity).

- Store bills in a file for future reference.

- Use tabulate or similar libraries for cleaner bill formatting.

- Implement GUI using Tkinter or web interface using Flask.