

Project Statement: Cash Memo Generator System

Problem Statement

Small shops often prepare bills manually, which leads to calculation mistakes, inconsistent formatting and delays in customer service. There is a need for a simple system that automates the billing workflow, generates accurate totals and provides a clean cash memo without requiring advanced technical skills.

Scope of the Project

This project focuses on creating a basic billing tool using Python.

The scope includes:

- Taking shop name and invoice number
- Collecting customer details
- Recording multiple items with quantity and price
- Calculating totals and generating a formatted cash memo
- Displaying output directly in the console

The scope include storage, GUI, export to PDF or database integration at this stage.

Target Users

- Small shop owners
- Students learning basic Python and billing systems
- Anyone who needs a simple offline tool to generate quick cash memos

High-Level Features

- Input-based billing system
- Automatic customer ID creation using name and phone number
- Itemized billing with quantity, rate and total
- Grand total calculation
- Modular design separating customer details and billing logic
- Console-based output that is easy to read and understand

