



BILLING APPLICATION

THIS IS A BILLING APP
MADE USING **TKINTER**
(PYTHON MODULE) AND
MYSQL DATABASE
MANAGEMENT SYSTEM

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CLASS- XII A

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INTRODUCTION:



We made a billing app using Python. We used Python modules like 'Tkinter' for Multigraphical user interface and 'MySQL connector' to save the bill in the MySQL Database.

BASIC ALGORITHM OF THE PROGRAM:

1. Establishing connectivity between Python and MySQL.
2. Prepare GUI for the Application.
3. Code for the basic functions like:
 - A) DISPLAYING older bills from Database.
 - B) ADDING a new bill to Database.
 - C) MODIFYING an existing bill from Database.
 - D) DELETING an item from bill Database.
 - E) DELETING an entire bill from Database.

APPLICATION OF THIS BILLING APPLICATION:

The screenshot displays a billing application interface. At the top, there's a 'Customer Details' section with fields for 'Customer Name' (Rangesh), 'Contact No.' (78558496), and 'Bill No.' (empty), along with a 'Search' button. Below this, the interface is divided into three columns for product selection: 'Cosmetics' (Bath Soap, Face Cream, Face Wash, Hair Spray, Hair Gel, Body Loshan), 'Grocery' (Rice, Food Oil, Daal, Wheat, Sugar, Tea), and 'Cold Drinks' (Maza, Coka, Frooti, Thumbs Up, Limca, Sprite). Each product has a quantity input field. To the right, a 'Bill Area' window shows a list of items with their prices and quantities. At the bottom, a 'Billing Menu' section displays 'Total Cosmetic Price' (70.0), 'Total Grocery Price' (60.0), and 'Total Cold Drink Price' (40.0), along with 'Cosmetic Tax' (10.0), 'Grocery Tax' (8.25), and 'Cold Drink Tax' (6.0). Buttons for 'Total', 'Generate Bill', 'Clear', and 'Exit' are present.

Product	Qty	Price
Bath Soap	1	40.0
Face Cream	1	120.0
Face Wash	1	80.0
Hair Spray	1	120.0
Hair Gel	1	180.0
Body Loshan	1	280.0
Rice	1	40.0
Food Oil	1	180.0
Sugar	2	400.0
Tea	1	240.0
Maza	1	80.0
Coka	0	
Frooti	0	
Thumbs Up	0	
Limca	0	
Sprite	0	

- This type of software is generally used in **Grocery Shops, Supermarkets, Household Shops** etc. And to **store the Products purchased by the Customer and to store the data in the MYSQL Database**.
- With some Alterations in the code, it can also be used in **Hospitals** to record **Incoming and Outgoing Patients**.
- It can be used in **Pharmacies** to check the availability of drugs and check the retails of the day. **It will help you keep track of the cash flow in your business**.
- Mainly, it is used in Hotels and Restaurants and **used to capture the bill record of customers to come up with a total amount to be paid by the customer**.

SOFTWARE REQUIREMENTS:

- OS SUCH AS WINDOWS, MAC OS AND LINUX ETC.
- PYTHON VERSION ABOVE 3.7 OR ABOVE.
- PYTHON MODULES SUCH AS 'TKINTER', 'MYSQL CONNECTOR', WHICH MUST BE INSTALLED USING COMMAND PROMPT.
- MYSQL DATABASE VERSION 5.6,5.7,8.0 OR GREATER.
- TKINTER (PREFERABLY HIGHER VERSION)

HARDWARE REQUIREMENTS:

- CPU COMPATIBLE WITH YOUR OS (Arm 64 bit, x86 64 bit, etc. Preferably quad core required)
- MINIMUM OF 4GB OF RAM. (8 GB IS RECOMMENDED)
- MINIMUM OF 16GB OF FREE SPACE.

Commented [SA1]: DEI

THANK YOU!!

NOTE: OUR PROJECT WILL BE
LAUNCHED SOON 😎