1. Billing app

Overview

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

Basic Algorithm

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.

Specifications

- 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 Linux, MacOS, Windows, etc.
- Python 3.7 version or above.
- Python modules such as 'Tkinter', 'MySQL connector' which must be installed using command prompt(on Windows OS) or terminal(on Linux and MacOS).
- MySQL database version 5.6, 5.7, 8.0 or greater.

Hardware Requirements

- CPU compatible with your OS(Arm 64 bit, x86 64 bit, etc. Preferably quad core processor) .
- Minimum of 4GB of RAM. (8GB is recommended).
- Minimum of 16GB of free storage.

THANK YOU !