

GBU-SOICT Hackathon Contest Documentation Work

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Problem Statement

As we go back in time people used to get their bills physically, the records of their bills were not monitored and saved, calculation errors were very common as they were done manually.

After the outbreak of Covid-19 everyone wants to avoid physical contact . This program will help in digitalisation the bills to overcome this problem.

It will help in monitoring and saving track records of the customers and will completely deduce the risk of calculation errors.

Requirements

This program can run on every low end and high end pc without an internet connection.

In order to run this program the pc should have Python 3.8 and MySQL 8.0 installed in it.

Technologies Used

Applications that are used to create this program are Python and MySQL

Frameworks used:

- Tkinter GUI
- MySQL Connector for connecting python to MySQL.
- FPDF for creating invoice of the bills in PDF format.

Project Description and Scope

This is a program designed for restaurants in order to make digitized bills for their customers.

The following program was made in Linux.

- It will help in reducing the problem of physical touch.
- It will help in reducing the time of billing and will avoid the queues.

Features of the program:

- All the food items have buttons of their own
- When Button is pressed the food item gets displayed on listobx

- When we tap on evaluate button it then gives total amount with GST and service charges in the next textbox
- When we select on the food item in the listbox and tap on the delete button it removes the specified food item
- When we tap on the delete all button it removes all food items are removed the listbox
- When we place order it takes the all arguments from the GUI and make a PDF invoice with QR code of the above details
- The details are also taken and inserted into the MySQL table to store the data in it.

Challenges Faced

A very common problem faced by customers was if they had to cross check the billing amount or quantity they had no proof.

The workers could easily hamper in the calculation of the billing and customers had to suffer.

Modules to install

There are certain modules which need to install for a smooth running of program.

fpdf – pip install fpdf

mysql-connector – pip install mysql-connector

Conclusion-

This will help not only the customers but also the workers as it will consume less time and keep the track records.

It will also help in getting feedback from the customers as the data of the customers will be permanently stored in their pc's.

Most importantly it will get the attention of more people as everyone need things to be digitalized which will reduce their time and will also help to prevent the spread of Covid-19.