



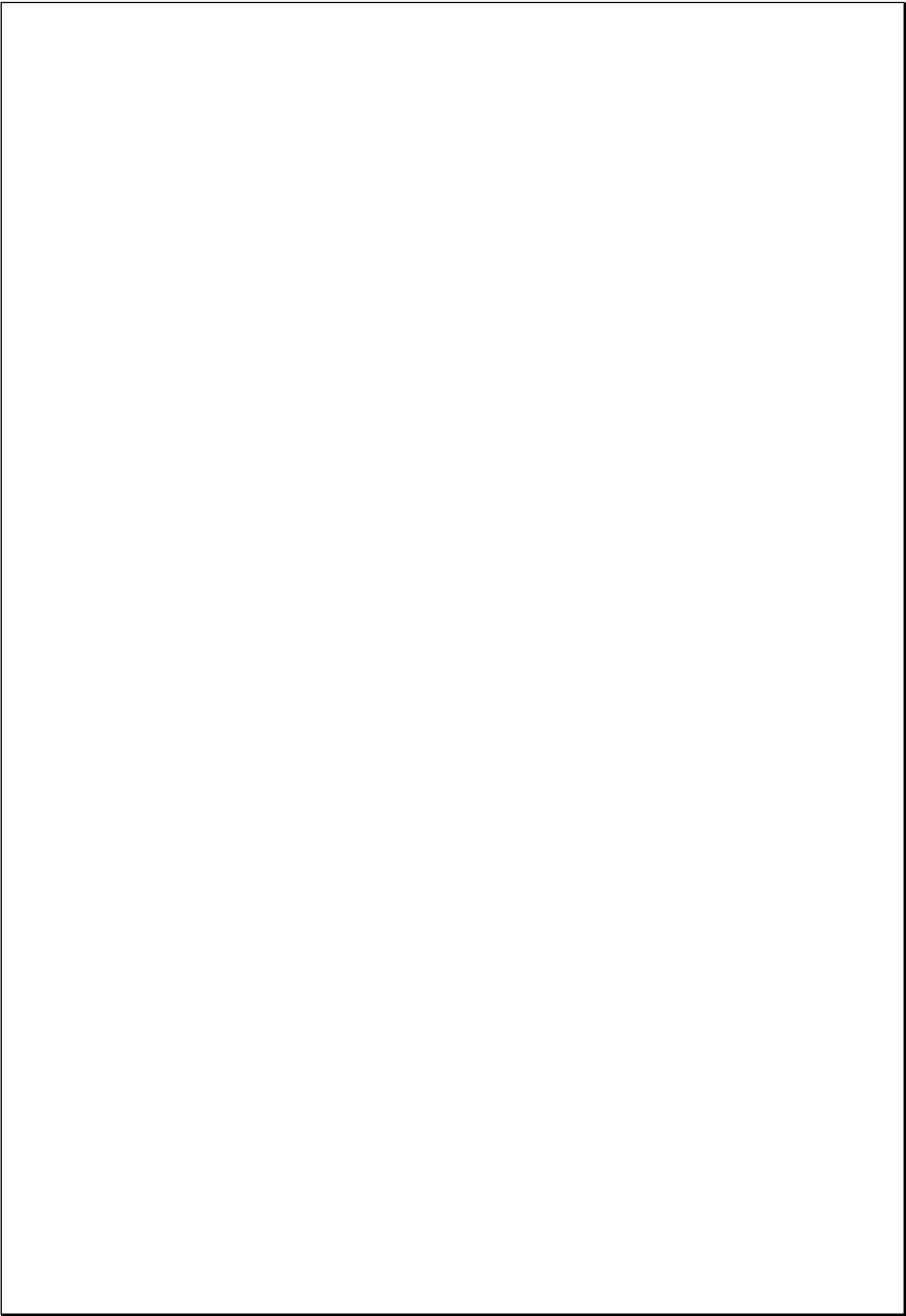
BILLING SOFTWARE

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BILLING SOFTWARE

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INTRODUCTION

Restaurant Billing System Using Python can be very useful within a business environment. Instead of doing manual work for making up a bill at Restaurant, which gets tiring and time consuming, you can generate a bill including tax. When making up a bill manually at a Restaurant may contain some human errors like adding wrong items into the bill or summing up their total also may end up wrong, it also sometimes results into a Bad Impression towards the Restaurant from a customer. Ideally, user should be able to generate bill without any mistakes and quickly, enabling them to faster or improve their process. To overcome this problem, we have come up with this project, that is, Restaurant Billing System Using Python. The Restaurant Billing System Using Python is very useful to small business or restaurant or cafe or food truck owners. This helps the owner to faster the process which is bug free and easy to use. It also has a calculator to ease the use of the user. This project firstly has the menu and then adds up the selected items by customer and sums up the total of all items and displays total for different parameters. After that on clicking generate bill button The receipt will be generated.

ABSTRACT

Billing Software system is a project which aims in developing a computerized billing system maintain all the billing work of a restaurant.

A billing system can be very useful within a business environment. Instead of making bills manually or to sum up the total manually, it is very much time consuming and also may have some human errors like adding up the wrong total or adding wrong items into the bill. When making a hand written bill the owner and customer both have to repeatedly check the total, items added, etc. It also sometimes results into a Bad Impression towards the Restaurant from a Customer. Ideally, user should be able to generate bill without any mistakes and quickly, enabling them to faster or improve their process. To overcome this problem, we have come up with this project, that is, Restaurant Billing System Using Python .

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NEED OF THE SYSTEM

There is always a need of a system that will perform easy billing calculation in a restaurant.

This system will reduce the manual operation required to maintain all the bills and also generates bill receipt.

GOALS

- It tracks the information of Customer.
- Generate Receipt of Bill.
- Total of different parameter is also calculated in our project.
- All the fields are validated and does not take invalid values.
- Clear button is available to generate a new bill instantly.

PURPOSE

- The purpose of Billing Software System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.
- This project helps in administrative work such as generate receipt of bill using simple user-friendly interface.

PROJECT SCOPE

- The project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any business's organization. Moreover, it provides facility to its users. Also, the software is going to provide a huge amount of summary data.

PROPOSED SYSTEM

- The Billing Software system is available in the market that can serve restaurant, grocery, and other stores to calculate bills easily using this computerized system.

MODULES

- CALCULATE TOTAL For Different Parameters.
- GENERATE BILL RECEIPT.
- CLEAR BILL.
- Message Box (used to show up validation & information message in this project)

FRONTEND (LANGUAGE USED)

PYTHON (TKINTER).

SOFTWARE USED

VS CODE

FUTURE SCOPE

This desktop application involves almost all the basic features of the billing software. The future implementation will be help for admin to add and manage new products.

My Billing software offers various functionalities needed to effectively manage restaurant operations such as staff management, making orders, billing, menu management, reservation, viewing order history, to-do list and many more. In the future, many enhancements/upgrades can be made to the existing software. Various enhancements such as inventory management and control, wireless table side ordering and payment, real-time alerts.

FUTURE WORK

In future, this application can be updated with some more food items. Many other latest features will be added. Project will surely be enhanced with respect to looks and appearance and also as per user requirements. Many more functionalities will be added. Some enhancement can also be done with calculator. For now, this application generates the bill but with respect to future application it will be enhanced that it will also print a bill. It can also be used on a large scale. Many more modification can do with menu or prices or tax as well. It will be easy to use and bug free to all future or upcoming users.

CONCLUSION

- The project entitled "Billing Software System" is developed using Python tkinter(gui) as front end to computerize the process of total calculation and bill generation. This project covers only the basic features required. The urge for the digital restaurant management systems is increasing day by day. Restaurant Billing System Using Python is a perfect solution for this. Through this the ease of access and flexibility of the day to day works in the restaurant is made simpler. The features such as bill number, CGST and SGST make this software user friendly. Both the management side and worker side can manage the data easily using such a system. It is very good and reliable system which can be in corporate to the chain of hotels so can easily maintained and addressed.

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-----Thank You-----

*****End of Report*****