

----- Restaurant-Management-System ----- ----- ===== ===== *****

Restaurant-Management-System in python (tkinter) , GUI based project for college students in python using module tkinter, Based with some added tabs and functions.

A restaurant management bill system is a valuable tool that streamlines various tasks and processes within a restaurant, such as adding menu items by self, processing orders, handling payments, and generating bills. By developing a custom system with Python and Tkinter.

>> Benefits of Building a Restaurant Management System :-----

- 1. Customization**
- 2. Cost-effectiveness**
- 3. Scalability**
- 4. Learning opportunity**

Python is a powerful and versatile programming language known for its simplicity and readability. It offers a wide range of libraries and frameworks that simplify the development process. Tkinter, the standard Python interface to the Tk GUI toolkit, provides a simple and intuitive way to create graphical user interfaces (GUIs).

By combining Python and Tkinter, we can create a user-friendly and responsive restaurant management system that runs seamlessly on various platforms.

>> Explanation of Source Code :-

- 1. The code begins by importing the necessary modules: tkinter and messagebox.**
- 2. Next, a class named Restaurant Management Bill System is defined. It represents the main application and contains methods and attributes to manage the restaurant system.**
- 3. In the __init__ method, the root window is initialized and given a title. The root parameter represents the main window of the application.**
- 4. Several instance variables are defined :-----**

>> customer name and contact are instances of StringVar() from Tkinter. They are used to store the customer's name and contact information.

>> orders is an empty dictionary that will be used to store the selected items and their quantities.

>> Overall, this code creates a simple restaurant management bill system with a graphical user interface, allowing users to enter customer details, select items ,quantity , calculate the bill, calculator and display it in a message box in bills (GUI).

Conclusion :-

In conclusion, building a restaurant management system in Python with Tkinter empowers restaurant owners and managers to streamline operations,

improve customer service, and drive business growth. By leveraging the power of these technologies, you have the ability to create a customized and scalable solution that revolutionizes the way your restaurant operates.