

PYTHON PROJECT REPORT

(Project Term Aug – Dec , 2020)

RESTRAUNT MANAGENT SYSTEM

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ABSTRACT

This report introduces the process of creating a restaurant bill management software in python programming language using the module Tkinter. The objective of this software is calculating the amount be paid by the customer. The implementation is done by using a python library called Tkinter which is used to create Gui in python programming language.

ACKNOWLEDGEMENT

It is great pleasure for us to undertake this project. We feel highly doing the project entitled – “**Restaurant management system**”.

We are grateful to our project guide **Ms.Gagandeep Kaur mam**, our Python Programming(INT213) faculty.

This project would not have completed without your enormous help and worthy experience. Whenever we were in need, you were behind us.

Although, this report has been prepared with utmost care and deep routed interest. Even then we accept respondent and imperfection.

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INTRODUCTION

PYTHON

Python is a interpreted language, High level general purpose programming language created by gguido van Rossum and first released in 1991Python has design philosophy that emphasises code readability notably using significant white space it provides constructs that enable clear programming on both small and large scales.

Tkinter

Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications. Tkinter provides a powerful object-oriented interface to the Tk GUI toolkit.

OBJECT OREINTED PROGRAMMING

OOP is a method of structuring a program by bundling related properties and behaviors into individual **objects**. Conceptually, objects are like the components of a system.

An object contains data, like the raw or pre-processed materials at each step on an assembly line, and behaviour, like the action each assembly line component performs.

This project report will introduce how to build Gui of restaurant bill management system using the Tkinter library.. Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications. Tkinter provides a powerful object-oriented interface to the Tk GUI toolkit.

REVIEW OF LITERATURE

During our project we have researched about the python library- Tkinter. Tkinter is a cross platform set of Python modules designed for creating GUI of a program designed to be used with the Python programming language. We have also implemented the use of object oriented programming and functions in our code to make it more accurate.

OBJECTIVE

The main objective of this project is to learn how to use the Tkinter library to make more graphical user interfaces in python programming language.

MATERIALS AND METHODS

The materials which we require to do this project is- A pc, a good python idle to run the code.

The methods we used in our project are Tkinter library, classes and objects, functions. Code consists of various classes. We have created separate classes for each element.

SNAPSHTS OF some BUTTONS



ENTRY BOX



Reference	<input type="text"/>	Drinks	<input type="text"/>
Fries	<input type="text"/>	Cost of Meal	<input type="text"/>
Noodles	<input type="text"/>	Service Charge	<input type="text"/>
Soup	<input type="text"/>	Sub Total	<input type="text"/>
Burger	<input type="text"/>	Total Cost	<input type="text"/>
Sandwich	<input type="text"/>		
<input type="button" value="Total"/>		<input type="button" value="Reset"/>	<input type="button" value="Exit"/>

DISCUSSION

In this section we will see the working of our game. This game is purely written in python code by using theTkinter library. The restaurant management system is computer billing software. The main goal of this software is to count the total bill to be paid by the customer.

In this software user enters the number of different items he took. This software calculates the total amount by adding the net amount with the taxes and returns the amount to be paid.

- The total button gives the total amount including taxes.
- The reset button sets everything to zero for a new bill.
- The exit button is used to exit from the software.

If we press the total button it will give the total amount with taxes which includes service tax etc.

RESULT

From this project we have learnt how to create good, clean and creative Gui using the python library –Tkinter. We have also learnt the usage of object-oriented programming and functions in creating the Gui.

We have learnt about creating graphical user interface using python library Tkinter. we will look forward to make more software's by extending the functionalities.

REFERENCES

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