**PROJECT ON:-**

**INVOICE MANAGEMENT SYSTEM USING PYTHON**

SUBMITTED BY:-

* Subudhi Anvesh(17ECE123)

GUIDED BY:-

SUBHADEEP CHAKRABORTY

INTRODUCTION:-

Invoice Management System is a Python based project.The main modules available in this project are product module which manages the functionality of product,client is normally used for managing client,supplier contains all the functionality related to supplier,Account has all the features of account and payment module manages the functionality of payment.

Here we have used python3 for developing invoice management system.

SOFTWARE REQUIREMENT SPECIFICATION:-

Python3: To run this project we need python3.

Mysql: We need mysql database for running this project.

GUI: It is a human computer interface that uses windows,icons and menus and which can be manipulated by a mouse.

PACKAGES USED & SPECIFICATION:-

* TKINTER:-Tkinter is the standard GUI library for python,python when combined with tkinter provides a fast and easy way to create GUI application.

* SQLITE3:- The python standard library includes a module called sqlite3,intend for working with the database.
* PANDAS:- In computer programming ,pandas is a software library written for the python programming language for data manipulation and analysic.
* NUMPY:- Numpy is a library for the python programming language,adding support for large,multi dimentional array and matrices.

PROGRAM CODING:-

from tkinter import \*

from tkinter.ttk import \*

import sqlite3

import pandas as pd

import numpy as np

link="C:/Users/hp/Desktop/"

conn=sqlite3.connect(link+'StudentData.db')

def w1():

windows=Tk()

windows.title("gui is present")

windows.configure(bg="#32CD32")

windows.geometry('350x200')

lb8 = Label(windows,text="WELCOME TO INVOICE MANAGEMENT SYSTEM”)

lb8.grid(column=0,row=1)

def login():

windows.destroy()

w2()

btn = Button(windows, text="ENTER", command=login)

btn.grid(column=0, row=10)

windows.mainloop()

def w2():

windows = Tk()

windows.title("login window")

windows.geometry('350x200')

lb5 = Label(windows, text="User id:")

lb5.grid(column=0, row=1)

uid = Entry(windows)

uid.grid(column=1, row=1)

lb6 = Label(windows, text="Password:")

lb6.grid(column=0, row=2)

pss = Entry(windows,show="\*")

pss.grid(column=1, row=2)

def submit():

ID=[]

PSS1=[]

cursor=conn.execute("select USERID,PASSWORD from REGISTER")

for row in cursor:

ID.append(row[0])

PSS1.append(str(row[1]))

if uid.get() in ID and pss.get()==PSS1[ID.index(uid.get())]:

print("success")

windows.destroy()

w3()

else:

print("fail")

def register():

windows.destroy()

w4()

btn2 = Button(windows, text="submit", command=submit)

btn2.grid(column=0, row=5)

btn3 = Button(windows, text="register", command=register)

btn3.grid(column=1, row=5)

windows.mainloop()

def w3():

windows = Tk()

windows.title("page")

windows.geometry('350x200')

lbl1 = Label(windows, text="Enter NAME of item")

lbl1.grid(column=0, row=0)

lbl2 = Label(windows, text="enter price (per kg)")

lbl2.grid(column=0, row=1)

lbl3 = Label(windows, text="enter quantity")

lbl3.grid(column=0, row=2)

ent1 = Entry(windows, width=20)

ent1.grid(column=1, row=0)

ent2 = Entry(windows, width=20)

ent2.grid(column=1, row=1)

ent3 = Entry(windows, width=20)

ent3.grid(column=1, row=2)

name=[]

ppk=[]

qpk=[]

def click():

name.append(ent1.get())

ppk.append(ent2.get())

qpk.append(ent3.get())

df = pd.DataFrame({"name of item":name,"price(per kg)":ppk,"quantity(per kg)":qpk})

mullist=[]

for i in range(len(df["price(per kg)"])):

mullist.append(int(np.array(df["price(per kg)"])[i])\* int(np.array(df["quantity(per kg)"])[i]))

s=sum(mullist)

df["Sub Total"]=s

df.to\_csv("F:/df1.csv")

btn = Button(windows, text="click", command=click)

btn.grid(column=1, row=4)

windows.mainloop()

def w4():

windows = Tk() windows.title("registration page")

windows.geometry('350x200')

lbl1 = Label(windows, text="NAME")

lbl1.grid(column=0, row=0)

lbl2 = Label(windows, text="AGE")

lbl2.grid(column=0, row=1)

lbl3 = Label(windows, text="Ph No.")

lbl3.grid(column=0, row=2)

ent1 = Entry(windows, width=20)

ent1.grid(column=1, row=0)

ent2 = Entry(windows, width=20)

ent2.grid(column=1, row=1)

ent3 = Entry(windows, width=20)

ent3.grid(column=1, row=2)

lb5 = Label(windows, text="User id:")

lb5.grid(column=0, row=3)

uid = Entry(windows)

uid.grid(column=1, row=3)

lb6 = Label(windows, text="Password:")

lb6.grid(column=0, row=4)

pss = Entry(windows, show="\*")

pss.grid(column=1, row=4)

def submit():

val = (uid.get(),pss.get())

sql = "INSERT INTO REGISTER (USERID,PASSWORD) VALUES(?,?)"

conn.execute(sql, val)

conn.commit()

print(val)

w2()

btn = Button(windows, text="submit", command=submit)

btn.grid(column=1, row=6)

windows.mainloop()

w1()