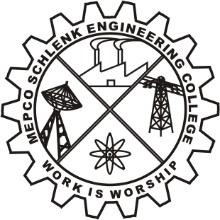
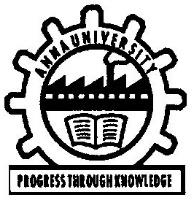
**ONLINE**

**SALES**

**MANAGEMENT**

**SYSTEM**

**MINI PROJECT REPORT**

***Submitted by***

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***In***

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**DECEMBER 2022**

**ANNA UNIVERSITY : CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report *“Online Sales management system”* is the bonafide work of *Abirami.M* - *21BAD002* who carried out the mini project twork under my supervision.

**SIGNATURE SIGNATURE**

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Submitted for the project viva-voce examination to be held on \_\_\_\_\_\_\_\_\_\_\_\_\_.

**INTERNAL EXAMINER** **EXTERNAL EXAMINER**

**ABSTRACT**

The aim of this project is to develop and build a data management system for a online sales company. This allows admin to sell the watches that a customer needs. This system improves customer satisfaction while also streamlining vehicle and personnel management. The Online Sales System app has a user-friendly gui. There is no delay in the availability of any products information; products information can be captured quickly and easily whenever it is required. Customers can also get the products via the system. Until signing in, the customer must either build a new account or log in with an existing one. He/she can then buy any of the available products, including this one. Both the administrator and the consumer would benefit from this device. Then he/she can book the available product and can book this product .This system will helpful to the admin as well

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**CHAPTER 1**

**INTRODUCTION**

**1.1 Introduction :**

This project was created with the intention of being used by a Online Sales company that specializes in providing customers with watch products. Customers can view available products, register, view their profile, and order a product using this online system.

**1.2 Reason for the project :**

The advent in information technology and the widespread use of the internet has significantly improved various business processes and connectivity between companies (service providers) and their customers, including the car rental industry.

This Online Sales System is developed to provide the following services: Enhance Business Processes: To be able to use internet technology to project the online sales company to the global world instead of limiting their services to their local domain alone, thus increase their return on investment (ROI).

**1.2.1 Online Product Ordering:**

A tools through which customers can order available product online.

**1.2.2 Customers registration:**

A registration portal to hold customers details, monitor their transaction and used same to offer better and improve services to them.

**1.3 Problem Statement :**

A Online Sales is a easy way of buying the required products from one place instead of going from shop to shop for the search of the required product.

**CHAPTER 2**

**BLOCK DIAGRAM AND ER DIAGRAM**

**2.1BLOCK DIAGRAM**

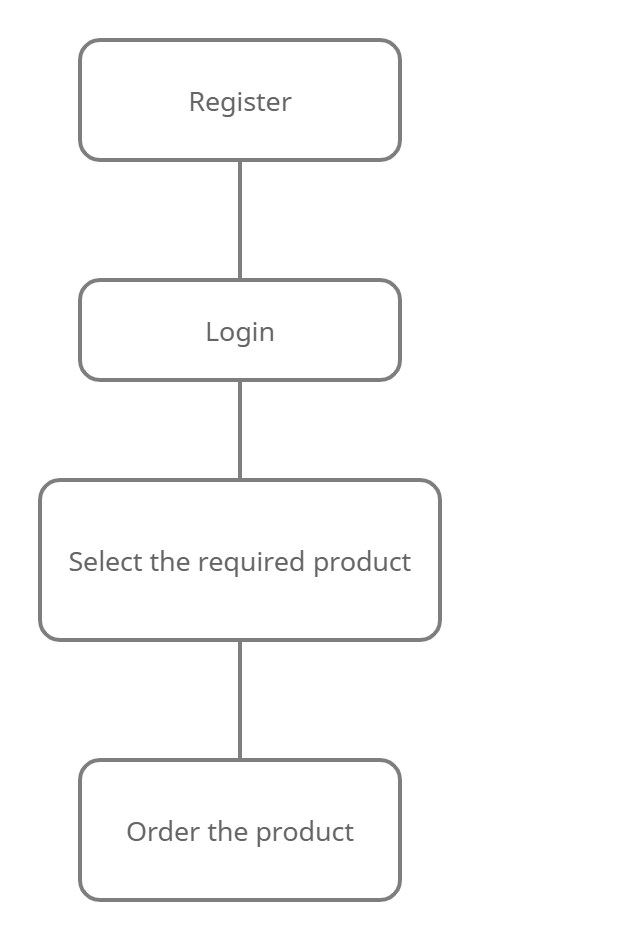


Fig2.1 Block Diagram

**2.2 ER DIAGRAM**

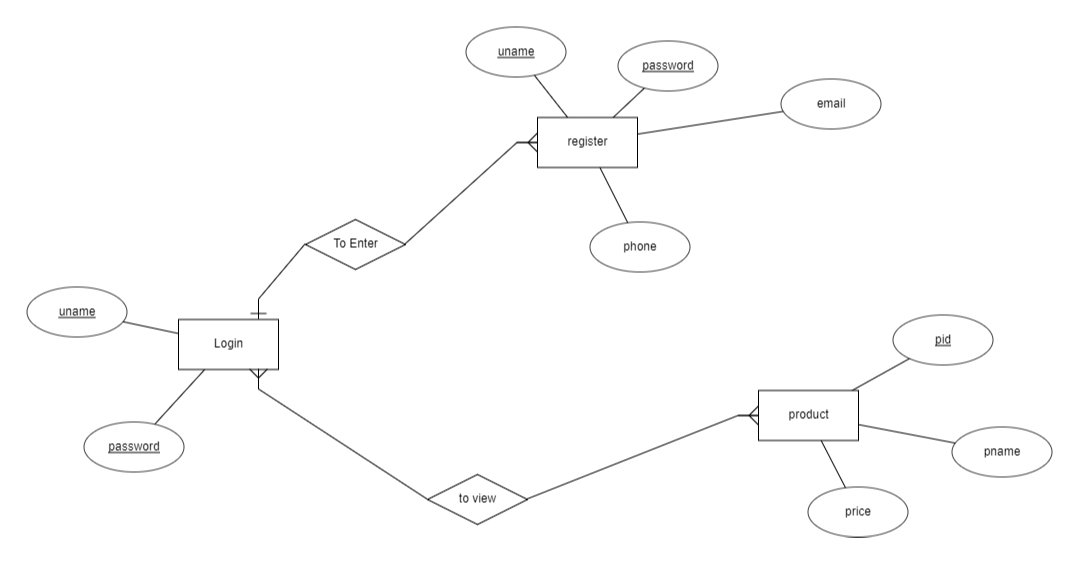


Fig2.2 ER Diagram

**2.3 SCHEMATIC DIAGRAM**

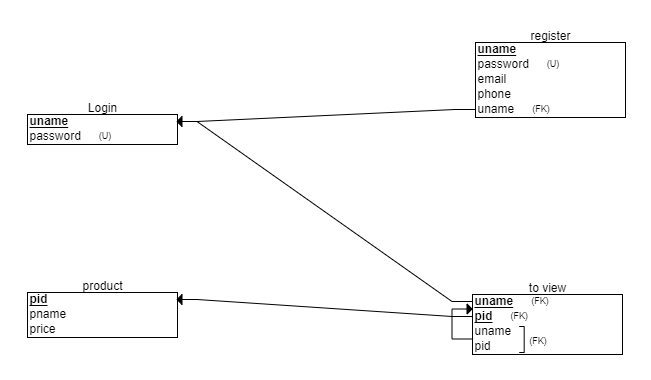


Fig 2.3 Schematic Diagram

**CHAPTER 3**

**WORKING**

**3.1 For User :**

When the user users our application for the first time, first page is the homepage. If the user is new to the system a new account must be in created as a requirement .For creating a new account the user is required to enter Name , E-mail ID , Password, Phone number. Then user can sign in using the new account.

After Signing in the next page opens up Sales Page . Sales page asks users for Product ID, Product Name, It displays the price of the product.

The Page shows four Buttons:

1. Search – It allows the user to search if the product is available

2. Order – It allows the user to order the product by going to order page

3. Order – It confirms the order of the product.

**CHAPTER 4**

**MODULE DESCRIPTION**

In this project basically we have mainly login side. On login page it will ask some basic information like email-id, phone number and their address. After that the page will check in the database which all products that are available for the same .Once the user say he selected the product by the sales page will be corresponded .Once the product is ordered it will get ready to be dispatched and will pop that the order is successful

**Modules used :**

*Tkinter :* We used tkinter for the GUI part.

*Mysql :* In this project we used CRUD(Create, Retrieve,Search) operations in Mysql.

*Python Mysql connector* : To enable python code to access the database we used this to connect the code and database.

**CHAPTER 5**

**SYSTEM REQUIREMENT**

**5.1 Hardware :**

Processor : AMD A6-9200 RADEON R4, 5 COMPUTE CORES 2C + 3G 2.00GHz

Installed RAM : 4.00 GB

Wifi Module.

**5.2 Software :**

System type : 64-bit operating system,x64-based processor.

Windows version : Windows 11

Software : Python3.

Database : MYSQL

Python is a high-level, general-purpose programming language that is interpreted. Python's design philosophy prioritizes code readability, as shown by its extensive use of indentation.

Python is an object-oriented programming language that is used for creating and developing various kinds of applications. The language is widely used for Machine Learning and Data Analysis. This popularity had made python programming jobs lucrative. People get interested in learning this language because of three main reasons. This language is simple and easy to learn. Python programmers are on-demand in the job market. Python’s speciality is its easy readability of codes.

MySQL is a relational database management system (RDBMS) based on the SQL (Structured Query Language) queries. It is one of the most popular languages for accessing and managing the records in the table

MySQL is faster, more reliable, and cheaper because of its unique storage engine architecture. It provides very high-performance results in comparison to other databases without losing an essential functionality of the software. It has fast loading utilities because of the different cache memory

MySQL provides a unified visual database graphical user interface tool named "**MySQL Workbench**" to work with database architects, developers, and Database Administrators. [MySQL Workbench](https://www.javatpoint.com/mysql-workbench) provides SQL development, data modeling, data migration, and comprehensive administration tools for server configuration, user administration, backup, and many more.

**CHAPTER 6**

**TABLE**

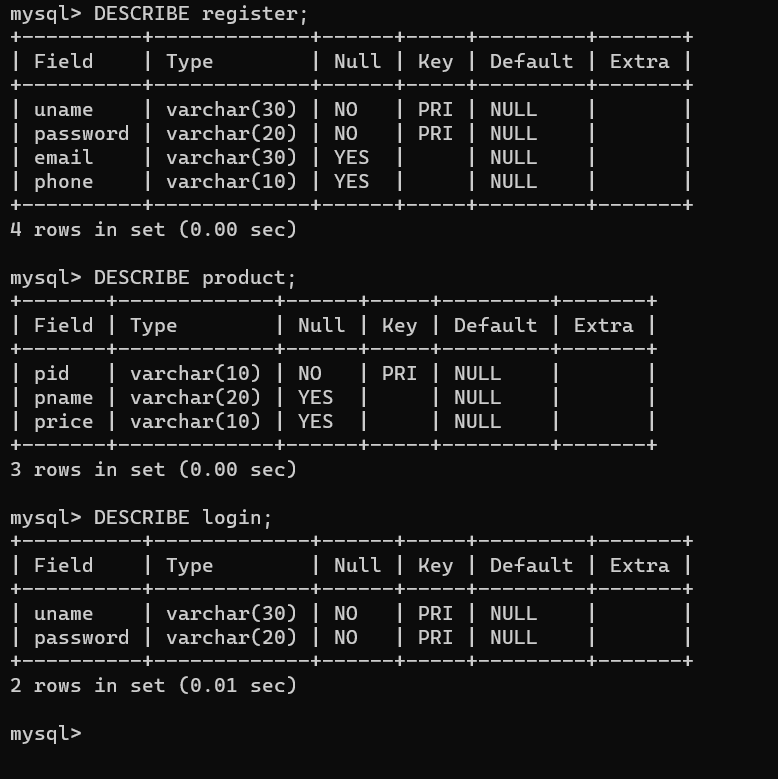


Fig 6.1 Tables

1.LOGIN:

UNAME VARCHAR = PRIMARY KEY

PASSWORD VARCHAR = PRIMARY KEY

2.REGISTER:

UNAME VARCHAR = PRIMARY KEY

PASSWORD VARCHAR = PRIMARY KEY

E-MAIL VARCHAR

PHONE VARCHAR

3.PRODUCTS

PID INT = PRIMARY KEY

PNAME VARCHAR

PRICE VARCHAR

**CHAPTER 7**

**NORMALIZATION**

**1NF:**

Each and every records of the table has atomic tables. Thus there is multiple value in each record. So, the table is in1NF.



Fig7.1: 1NF

**2NF:**

As we already have decomposed the table, we have primary key for each table.

Thus, we have a new primary key for admin ad aid.

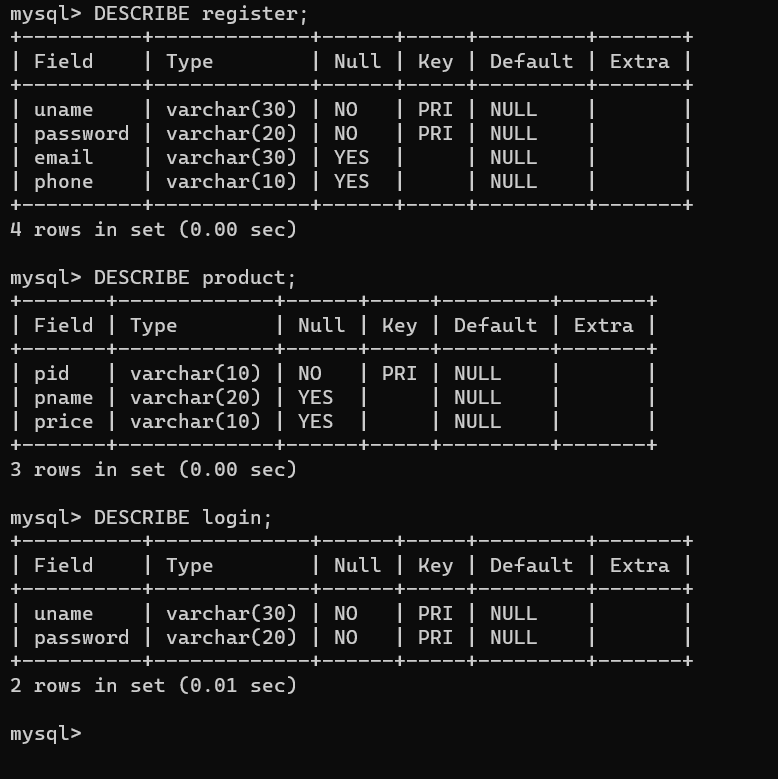


Fig7.2: 2NF

**3NF:**

The email id plays the multi value dependency here, because email id is used by both user and admin in order to access the system. The email id in the booking does not affect the email id in the login user. Thus there is no transitive dependency in the table. So, it is in 3NF.

FUNCTIONAL DEPENDENCY:

1. LOGINUSER(uname, password) 🡪 PRODUCT(pid)

As, the table has all primary key connected for each table and there is no transitive dependency, thus the table is in 3NF.

Since it has dependencies with primary key it is in the highest dependencies of the database is in BCNF.

**CHAPTER 8**

**IMPORTED MODULES**

**1. MYSQL CONNECTOR:**

Python code for this project ‘Online Sales management system’ is connected to the database created by using the module mysql connector by importing it in the code.

**2. LOGINDATA:**

Logindata is a separate code file where the functions that can be performed by the admin are coded.This file is imported into the main page as logindata in order to merge the functions.

**3.PILLOW:**

Pillow is a module imported in the code in order to insert the images or retrieve images for making the GUI of the project more understandable.

**The following the commands used for importing the above mentioned modules:**

1.pip install pillow : inserting images – import pypi

2.pip install PyMysql : connection with mysql – pymysql conn

**CHAPTER 9**

**CODE**

import pymysql

from tkinter import\*

import tkinter.messagebox as tkMessageBox

from PIL import Image, ImageTk

root = Tk()

root.geometry("1600x567")

bg = ImageTk.PhotoImage(Image.open("main\_bg.jpg"))

label=Label(root, image=bg)

label.pack()

#top = Toplevel(root)

def main\_login():

top = Toplevel(root)

top.geometry("540x360")

bg = ImageTk.PhotoImage(Image.open("login\_bg.jpg"))

label=Label(top, image=bg)

label.pack()

top.title("Login")

global e1

global e2

def login():

conn = pymysql.connect(host="localhost", user="root", password="abi@123", database="project")

cur = conn.cursor()

uname = e1.get()

password = e2.get()

q1 = "select \* from login where uname = %s and password = %s"

cur.execute(q1, [(uname), (password)])

res = cur.fetchall()

if res:

main\_sales()

'''tkMessageBox.showinfo("", "Login Successfull")

root.destroy()

return True'''

else:

tkMessageBox.showinfo("","Incorrect Username or Password")

return False

def main\_sales():

root2 = Toplevel(root)

root2.geometry("590x393")

bg = ImageTk.PhotoImage(Image.open("sales\_bg.jpg"))

label = Label(root2, image=bg)

label.pack()

root2.title("Sales and Service")

pid = StringVar()

pname = StringVar()

price = StringVar()

def search():

pid = e1.get()

pname = e2.get()

pid = e3.get()

pname = e4.get()

price = e5.get()

conn = pymysql.connect(host="localhost", user="root", password="abi@123", database="project")

cur = conn.cursor()

q1 ="select \* from product where pid between p101 and p125"

my\_data = (pid)

cur.execute(q1, my\_data)

res = cur.fetchall()

#conn.commit()

for x in res:

print(x)

if res:

tkMessageBox.showinfo("," " Horray!!, The Product is available :)")

for x in res:

print(x)

else:

tkMessageBox.showinfo(""," Sorry, The product you are searching for is not availabe.")

return False

def main\_order():

root3 = Tk()

root3.geometry("626x361")

bg = ImageTk.PhotoImage(Image.open("order\_bg.jpg"))

label = Label(root, image=bg)

label.pack()

root3.title("Order")

def order():

tkMessageBox.showinfo("","Order Successful")

label\_title = Label(root3, text="ORDER", width=10, font=("bold",30)).place(x=150,y=30)

label\_address = Label(root3, text="Address", font=("bold",15)).place(x=150,y=100)

label\_phone = Label(root3, text="Phone No.", font=("bold",15)).place(x=150,y=150)

label\_payment = Label(root3, text="Mode of Payment", font=("bold",15)).place(x=150,y=200)

entry\_address = Entry(root3)

entry\_address.place(x=330,y=100, height=25, width=150)

entry\_phone = Entry(root3)

entry\_phone.place(x=330,y=150, height=25, width=150)

entry\_payment = Entry(root3)

entry\_payment.place(x=330,y=200, height=25, width=150)

Button(root3, text="Order", command=order, height=1, width=15, font=("bold",15)).place(x=220, y=250)

root3.mainloop()

label\_title = Label(root2, text="WATCH SALES", width=20, font=("bold",30)).place(x=80, y=20)

label\_pid = Label(root2, text="Product Id",font=("bold",15)).place(x=100, y=100)

label\_pname = Label(root2, text="Product Name", font=("bold",15)).place(x=100,y=150)

Button(root2, text="Search", command=search, height=1, width=12, font=("bold",15)).place(x=100,y=200)

label\_price = Label(root2, text="Price", font=("bold",15)).place(x=100,y=350)

label\_pid = Label(root2, text="Product Id",font=("bold",15)).place(x=100, y=250)

label\_pname = Label(root2, text="Product Name", font=("bold",15)).place(x=100,y=300)

e1 = Entry(root2)

e1.place(x=250,y=100,height=25, width=150)

e2 = Entry(root2)

e2.place(x=250,y=150,height=25, width=150)

e3 = Entry(root2)

e3.place(x=250,y=250,height=25, width=150)

e4 = Entry(root2)

e4.place(x=250,y=300,height=25, width=150)

e5 = Entry(root2)

e5.place(x=250,y=350,height=25, width=150)

Button(root2, text="Order", command=main\_order,height=1, width=12, font=("bold",15)).place(x=250,y=200)

root2.mainloop()

Label(top, text="UserName").place(x=300, y=120 )

Label(top, text="Password").place(x=300, y=180)

e1 = Entry(top)

e1.place(x=400, y=120)

e2 = Entry(top)

e2.place(x=400, y=180)

e2.config(show="\*")

Button(top, text="Login", command=login, height=1, width=10).place(x=350, y=230)

#Button(top, text="Register", command=main\_sales, height=1, width=10).place(x=350, y=280)

top.mainloop()

def main\_reg():

root1 = Toplevel(root)

root1.geometry("2048x1306")

bg = ImageTk.PhotoImage(Image.open("reg\_bg.jpg"))

label=Label(root1, image=bg)

label.pack()

root1.title("Register")

def checkname(uname):

if uname.isalnum():

return True

else:

messagebox.showwarning("Invalid", "Not Allowed")

def checkpassword(password):

if len(password)>=8:

return True

else:

messagebox.showwarning("Invalid","Should atleast have 8 characters")

def checkphone(phone):

if phone.isdigit():

return True

else:

messagebox.showwarning("Invalid","Enter valid Mobile Number")

def register():

conn = pymysql.connect(host="localhost", user="root", password="abi@123", database="project")

cur = conn.cursor()

e1 = entry\_name.get()

e2 = entry\_password.get()

e3 = entry\_email.get()

e4 = entry\_phone.get()

q1 = "INSERT INTO register(uname, password, email, phone)VALUES(%s,%s,%s,%s)"

my\_data = (e1,e2,e3,e4)

res = cur.execute(q1, my\_data)

conn.commit()

if res:

tkMessageBox.showinfo("","Register Successfull")

q2 = "INSERT INTO login(uname, password)VALUES(%s,%s)"

my\_data1 = (e1,e2)

cur.execute(q2, my\_data1)

conn.commit()

return True

else:

tkMessageBox.showinfo("","Already Registered using this username and password")

uname = StringVar()

password = StringVar()

email = StringVar()

phone = StringVar()

label\_title = Label(root1, text="REGISTERATION", width=20, font=("bold",30)).place(x=550, y=30)

label\_name = Label(root1, text="Username", font=("bold",15)).place(x=600, y=150)

label\_password = Label(root1, text="Password", font=("bold",15)).place(x=600, y=200)

label\_email = Label(root1, text="Email", font=("bold",15)).place(x=600, y=250)

label\_phone = Label(root1, text="Phone Number", font=("bold",15)).place(x=600, y=300)

entry\_name = Entry(root1)

entry\_name.place(x=800, y=150, height=25, width=150)

entry\_password = Entry(root1)

entry\_password.place(x=800, y=200, height=25, width=150)

entry\_email = Entry(root1)

entry\_email.place(x=800, y=250, height=25, width=150)

entry\_phone = Entry(root1)

entry\_phone.place(x=800, y=300, height=25, width=150)

Button(root1, text="Submit", command=register, height=1, width=15, font=("bold",15)).place(x=700, y=350)

root1.mainloop()

Button(root, text="Register", command=main\_reg, width=15, height=1, font=("bold",20)).place(x=100,y=400)

Button(root, text="Login", command=main\_login, height=1, width=15, font=("bold",20)).place(x=100, y=200)

root.mainloop()



Fig9.1: front page



Fig9.2:login page



Fig9.3:sales page



Fig9.4:Order Page

**CHAPTER 10**

**RESULT AND CONCLUSION**

**SAMPLE OUTPUT:**

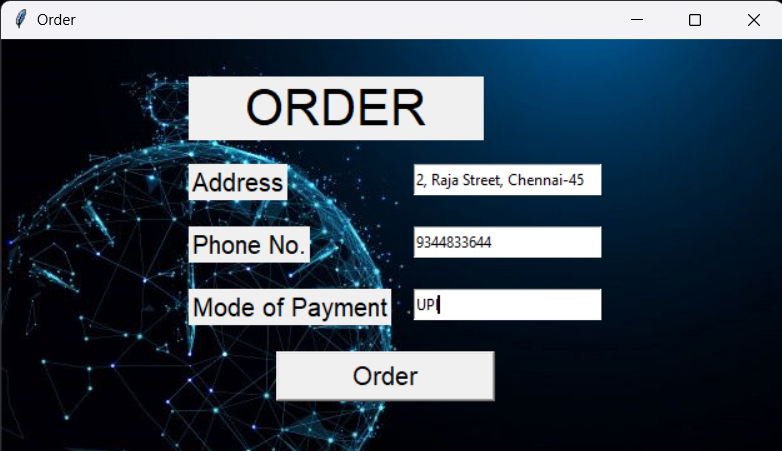


Fig 10.1:Ordering

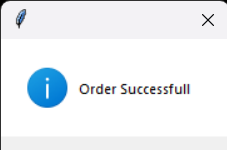


Fig10.2:Ordering completed

**CONCLUSION :**

In conclusion, the system will be able to serve as a help where these small upcoming companies can make use of it to publish their services in a wide range and also help the company to manage their service more effectively. On the other hand, it will enable customers to freely make their desire choice more freely and interactively.

**CHAPTER 11**

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