PYTHON PROJECT

Delivery Management System (GUI)

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ABOUT THE PROJECT

The project consists of GUI implementation of "Delivery Management System", where we can find the records of the important entities involved in this project ,like customer, branch , order delivery and delivery executive details.

It starts with a signup/ login window where one enters login id and password to access the DMS homepage.

After that DMS homepage opens where four buttons are there for- customer details, branch details, order delivery details and delivery executive details.Once we click on a button, a new window opens up asking the user to enter the respective details.

We can access all the details just by entering the respective id(for ex:- branch id for viewing the branch details and so on).

Following the buttons provided in this window:-

- Add button for adding the enteries into the database.
- Search button for searching the details using respective id.
- Update button for updating the information.
- Clear button for clearing the enteries from entry widget.
- Home page button for going back to the homepage.

After the GUI implementation we have also created an application for the above program as well.

DATABASE CONTENTS

Branch (b_id , b_name, b_city, street)

Branch_Contact(b_id , b_phone)

Branch_State(b_city, state)

Product (p_type, p_id, p_no, price, b_id)

Product_Name(p_no, p_name)

contains(del_id , p_id)

e_commerce (e_id, platform_name)

Order_Delivery (del_id, del_date, del_status, b_id, del_ex_id, c_id, e_id)

Customer(c_id, c_name, city, street)

Customer_Contact(c_id, phone)

Delivers_to(c_id, del_ex_id)

Customer_State(city, state)

Delivery_Executive(del_ex_id, del_ex_name, b_id)

Delivery_Executive_Contact(del_ex_id, del_ex_phone)

GUI IMPLEMENTATION CODE:

```
import mysql.connector
import tkinter
from tkinter import *
from tkinter import messagebox
import datetime
from datetime import *


def onClickCustomer():
    def onClick3(num):
        conn = mysql.connector.connect(host='localhost',
user='root', password='legend_123',

database='mini_project_dms')
        cursor = conn.cursor()
        if (num == 1):
            try:
                b_id = int(e1.get())
                b_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id and
Phone should be a Number!')
            b_name = e2.get()
            street = e4.get()
            b_city = e5.get()
            state = e6.get()
            tup1 = (b_city, state)
            tup2 = (b_id, b_name, b_city, street)
            tup3 = (b_id, b_phone)
            s1 = "insert into
mini_project_dms.customer_state(city,state) values(%s,%s)"
            s2 = "insert into
mini_project_dms.customer(c_id,c_name,city,street)
values(%s,%s,%s,%s)"
            s3 = "insert into
mini_project_dms.customer_contact(c_id,phone)
values(%s,%s)"
            try:
                cursor.execute(s1, tup1)
                conn.commit()
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```
            except:
                conn.rollback()
            try:
                cursor.execute(s2, tup2)
                conn.commit()
            except:
                conn.rollback()
            try:
                cursor.execute(s3, tup3)
                conn.commit()
                messagebox.showinfo('Success', 'Inserted
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
            except:
                conn.rollback()


        elif (num == 2):
            b_id = int(e1.get())
            tup = (b_id)
            s = '''
                select c_id , c_name, phone,
street,city,state
                from mini_project_dms.customer_contact
natural join mini_project_dms.customer natural join
mini_project_dms.customer_state
                where c_id=%d order by phone DESC limit 1;
              '''
            try:
                cursor.execute(s % tup)
                res_tup = cursor.fetchall()
                res_lst = []
                for i in res_tup:
                    for j in i:
                        res_lst.append(j)
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
```

```
                e5.delete(0, "end")
                e6.delete(0, "end")
                e1.insert(0, res_lst[0])
                e2.insert(0, res_lst[1])
                e3.insert(0, res_lst[2])
                e4.insert(0, res_lst[3])
                e5.insert(0, res_lst[4])
                e6.insert(0, res_lst[5])
                conn.commit()
            except:
                conn.rollback()
        elif (num == 3):
            try:
                b_id = int(e1.get())
                b_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id
should be a Number!')
            b_name = e2.get()
            street = e4.get()
            b_city = e5.get()
            state = e6.get()
            tup = (b_name, b_phone, street, b_city, state,
b_id)
            print(tup)
            s = '''
                update mini_project_dms.customer_contact bc
natural join mini_project_dms.customer b natural join
mini_project_dms.customer_state bs
                set
b.c_name=%s,bc.phone=%s,b.street=%s,bs.city=%s,bs.state=%s
where c_id=%s;
             '''
            try:
                cursor.execute(s, tup)
                conn.commit()
                messagebox.showinfo('Success', 'Updated
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
```

```
            except:
                conn.rollback()
        elif (num == 4):
            e1.delete(0, "end")
            e2.delete(0, "end")
            e3.delete(0, "end")
            e4.delete(0, "end")
            e5.delete(0, "end")
            e6.delete(0, "end")
        elif (num == 5):
            root.destroy()
            DMS_Page()
        cursor.close()
        conn.close()

    root = Tk()
    f = Frame(root, width=620, height=500, bg="black")
    root.title("Customer Details")
    l1 = LabelFrame(f, text="Customer Details", width=400,
height=420, bg="black", fg="lightgreen",
                    font=('TIMES NEW ROMAN', 28,
'underline'))
    l1.place(x=15, y=25)
    labelframe2 = LabelFrame(f, text="", width=180,
height=400, bg="black", fg="lightgreen",
                             font=('TIMES NEW ROMAN', 28,
'underline'))
    labelframe2.place(x=420, y=48)
    l2 = Label(f, text="Customer ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l2.place(x=25, y=100)
    l3 = Label(f, text="Name:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l3.place(x=25, y=160)
    l4 = Label(f, text="Phone:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l4.place(x=25, y=220)
    l5 = Label(f, text="Street:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l5.place(x=25, y=280)
    l6 = Label(f, text="City:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l6.place(x=25, y=340)
```

```
    l7 = Label(f, text="State:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l7.place(x=25, y=400)
    e1 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e1.place(x=150, y=100)
    e2 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e2.place(x=150, y=160)
    e3 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e3.place(x=150, y=220)
    e4 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e4.place(x=150, y=280)
    e5 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e5.place(x=150, y=340)
    e6 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e6.place(x=150, y=400)
    b1 = Button(f, text="Add", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(1))
    b1.place(x=450, y=100)
    b2 = Button(f, text="Search", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(2))
    b2.place(x=450, y=170)
    b3 = Button(f, text="Update", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(3))
    b3.place(x=450, y=240)
    b4 = Button(f, text="Clear", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(4))
    b4.place(x=450, y=310)
    b5 = Button(f, text="Home Page", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(5))
    b5.place(x=450, y=380)
    f.pack()
    root.mainloop()
```

```
def onClickBranch():
    def onClick3(num):
        conn = mysql.connector.connect(host='localhost',
user='root', password='legend_123',

database='mini_project_dms')
        cursor = conn.cursor()
        if (num == 1):
            try:
                b_id = int(e1.get())
                b_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id and
Phone should be a Number!')
            b_name = e2.get()
            street = e4.get()
            b_city = e5.get()
            state = e6.get()
            tup1 = (b_city, state)
            tup2 = (b_id, b_name, b_city, street)
            tup3 = (b_id, b_phone)
            s1 = "insert into
mini_project_dms.Branch_State(b_city,state) values(%s,%s)"
            s2 = "insert into
mini_project_dms.Branch(b_id,b_name,b_city,street)
values(%s,%s,%s,%s)"
            s3 = "insert into
mini_project_dms.Branch_Contact(b_id,b_phone)
values(%s,%s)"
            try:
                cursor.execute(s1, tup1)
                conn.commit()
            except:
                conn.rollback()
            try:
                cursor.execute(s2, tup2)
                conn.commit()
            except:
                conn.rollback()
            try:
                cursor.execute(s3, tup3)
                conn.commit()
                messagebox.showinfo('Success', 'Inserted
```

```
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
            except:
                conn.rollback()


        elif (num == 2):
            b_id = int(e1.get())
            tup = (b_id)
            s = '''
                select b_id , b_name, b_phone,
street,b_city,state
                from mini_project_dms.Branch_Contact
natural join mini_project_dms.Branch natural join
mini_project_dms.Branch_State
                where b_id=%d order by b_phone DESC limit
1;
              '''
            try:
                cursor.execute(s % tup)
                res_tup = cursor.fetchall()
                res_lst = []
                for i in res_tup:
                    for j in i:
                        res_lst.append(j)
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
                e1.insert(0, res_lst[0])
                e2.insert(0, res_lst[1])
                e3.insert(0, res_lst[2])
                e4.insert(0, res_lst[3])
                e5.insert(0, res_lst[4])
                e6.insert(0, res_lst[5])
                conn.commit()
            except:
```

```
                conn.rollback()
        elif (num == 3):
            try:
                b_id = int(e1.get())
                b_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id
should be a Number!')
            b_name = e2.get()
            street = e4.get()
            b_city = e5.get()
            state = e6.get()
            tup = (b_name, b_phone, street, b_city, state,
b_id)
            print(tup)
            s = '''
                update mini_project_dms.Branch_Contact bc
natural join mini_project_dms.Branch b natural join
mini_project_dms.Branch_State bs
                set
b.b_name=%s,bc.b_phone=%s,b.street=%s,bs.b_city=%s,bs.state
=%s where b_id=%s;
              '''
            try:
                cursor.execute(s, tup)
                conn.commit()
                messagebox.showinfo('Success', 'Updated
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")

            except:
                conn.rollback()
        elif (num == 4):
            e1.delete(0, "end")
            e2.delete(0, "end")
            e3.delete(0, "end")
            e4.delete(0, "end")
            e5.delete(0, "end")
            e6.delete(0, "end")
```

```
        elif (num == 5):
            root.destroy()
            DMS_Page()
        cursor.close()
        conn.close()

    root = Tk()
    f = Frame(root, width=620, height=500, bg="black")
    root.title("Branch Details")
    l1 = LabelFrame(f, text="Branch Details", width=400,
height=420, bg="black", fg="lightgreen",
                    font=('TIMES NEW ROMAN', 28,
'underline'))
    l1.place(x=15, y=25)
    labelframe2 = LabelFrame(f, text="", width=180,
height=400, bg="black", fg="lightgreen",
                             font=('TIMES NEW ROMAN', 28,
'underline'))
    labelframe2.place(x=420, y=48)
    l2 = Label(f, text="Branch ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l2.place(x=25, y=100)
    l3 = Label(f, text="Name:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l3.place(x=25, y=160)
    l4 = Label(f, text="Phone:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l4.place(x=25, y=220)
    l5 = Label(f, text="Street:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l5.place(x=25, y=280)
    l6 = Label(f, text="City:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l6.place(x=25, y=340)
    l7 = Label(f, text="State:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l7.place(x=25, y=400)
    e1 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e1.place(x=150, y=100)
    e2 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e2.place(x=150, y=160)
    e3 = Entry(f, width=20, fg="white", bg="black",
```

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font=('TIMES NEW ROMAN', 13))
    e3.place(x=150, y=220)
    e4 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e4.place(x=150, y=280)
    e5 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e5.place(x=150, y=340)
    e6 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e6.place(x=150, y=400)
    b1 = Button(f, text="Add", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(1))
    b1.place(x=450, y=100)
    b2 = Button(f, text="Search", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(2))
    b2.place(x=450, y=170)
    b3 = Button(f, text="Update", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(3))
    b3.place(x=450, y=240)
    b4 = Button(f, text="Clear", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(4))
    b4.place(x=450, y=310)
    b5 = Button(f, text="Home Page", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(5))
    b5.place(x=450, y=380)
    f.pack()
    root.mainloop()


def onClickDelivery():
    def onClick3(num):
        conn = mysql.connector.connect(host='localhost',
user='root', password='legend_123',

database='mini_project_dms')
        cursor = conn.cursor()
        if (num == 1):
            try:
```

```
                del_id = int(e1.get())
                b_id = int(e4.get())
                del_ex_id = int(e5.get())
                c_id = int(e6.get())
                e_id = int(e7.get())
            except:
                messagebox.showinfo('Alert', 'Branch id and
Phone should be a Number!')
            del_date = e2.get()
            del_status = e3.get()
            tup1 = (del_id, del_date, del_status, b_id,
del_ex_id, c_id, e_id)

            s1 = "insert into
mini_project_dms.Order_Delivery (del_id, del_date,
del_status,b_id, del_ex_id, c_id, e_id)
values(%s,%s,%s,%s,%s,%s,%s)"
            try:
                cursor.execute(s1, tup1)
                conn.commit()
                messagebox.showinfo('Success', 'Inserted
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
                e7.delete(0, "end")
            except:
                conn.rollback()
        elif (num == 2):
            del_id = int(e1.get())
            tup = (del_id)
            s = '''
                select del_id,del_date, del_status,b_id,
del_ex_id, c_id, e_id
                from mini_project_dms.Order_Delivery
                where del_id=%d;
              '''
            try:
                cursor.execute(s % tup)
                res_tup = cursor.fetchall()
                res_lst = []
```

```
                for i in res_tup:
                    for j in i:
                        res_lst.append(j)
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e5.delete(0, "end")
                e6.delete(0, "end")
                e7.delete(0, "end")
                e1.insert(0, res_lst[0])
                e2.insert(0, res_lst[1])
                e3.insert(0, res_lst[2])
                e4.insert(0, res_lst[3])
                e5.insert(0, res_lst[4])
                e6.insert(0, res_lst[5])
                e7.insert(0, res_lst[6])
                conn.commit()
            except:
                conn.rollback()

        elif (num == 3):
            e1.delete(0, "end")
            e2.delete(0, "end")
            e3.delete(0, "end")
            e4.delete(0, "end")
            e5.delete(0, "end")
            e6.delete(0, "end")
            e7.delete(0, "end")
        elif (num == 4):
            root.destroy()
            DMS_Page()
        cursor.close()
        conn.close()

    root = Tk()
    f = Frame(root, width=620, height=570, bg="black")
    root.title("Customer Details")
    l1 = LabelFrame(f, text="Customer Details", width=400,
height=520, bg="black", fg="lightgreen",
                    font=('TIMES NEW ROMAN', 28,
'underline'))
    l1.place(x=15, y=25)
    labelframe2 = LabelFrame(f, text="", width=180,
```

```
height=500, bg="black", fg="lightgreen",
                              font=('TIMES NEW ROMAN', 28,
'underline'))
    labelframe2.place(x=420, y=48)
    l2 = Label(f, text="Delivery ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l2.place(x=25, y=100)
    l3 = Label(f, text="Delivery Date:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l3.place(x=25, y=160)
    l4 = Label(f, text="Delivery Status:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l4.place(x=25, y=220)
    l5 = Label(f, text="Branch ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l5.place(x=25, y=280)
    l6 = Label(f, text="Executive ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l6.place(x=25, y=340)
    l7 = Label(f, text="Customer ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l7.place(x=25, y=400)
    l8 = Label(f, text="E-Commerce ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l8.place(x=25, y=460)
    e1 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e1.place(x=150, y=100)
    e2 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e2.place(x=150, y=160)
    e3 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e3.place(x=150, y=220)
    e4 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e4.place(x=150, y=280)
    e5 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e5.place(x=150, y=340)
    e6 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e6.place(x=150, y=400)
    e7 = Entry(f, width=20, fg="white", bg="black",
```

```
font=('TIMES NEW ROMAN', 13))
    e7.place(x=150, y=460)
    b1 = Button(f, text="Add", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(1))
    b1.place(x=450, y=120)
    b2 = Button(f, text="Search", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(2))
    b2.place(x=450, y=200)
    b3 = Button(f, text="Clear", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(3))
    b3.place(x=450, y=280)
    b4 = Button(f, text="Home Page", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(4))
    b4.place(x=450, y=360)
    f.pack()
    root.mainloop()


def onClickDel_Executive():
    def onClick3(num):
        conn = mysql.connector.connect(host='localhost',
user='root', password='legend_123',

database='mini_project_dms')
        cursor = conn.cursor()
        if (num == 1):
            try:
                del_ex_id = int(e1.get())
                del_ex_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id and
Phone should be a Number!')
            del_ex_name = e2.get()
            b_id = e4.get()
            tup2 = (del_ex_id, del_ex_name, b_id)
            tup3 = (del_ex_id, del_ex_phone)
            s2 = "insert into
mini_project_dms.delivery_executive(del_ex_id,del_ex_name,b
_id) values(%s,%s,%s)"
            s3 = "insert into
```

```
mini_project_dms.delivery_executive_contact(del_ex_id,del_e
x_phone) values(%s,%s)"
            try:
                cursor.execute(s2, tup2)
                conn.commit()
            except:
                conn.rollback()
            try:
                cursor.execute(s3, tup3)
                conn.commit()
                messagebox.showinfo('Success', 'Inserted
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
            except:
                conn.rollback()

        elif (num == 2):
            del_ex_id = int(e1.get())
            tup = (del_ex_id)
            s = '''
                select
del_ex_id,del_ex_name,del_ex_phone,b_id
                from
mini_project_dms.delivery_executive_contact natural join
mini_project_dms.delivery_executive
                where del_ex_id=%d order by del_ex_phone
DESC limit 1;
              '''
            try:
                cursor.execute(s % tup)
                res_tup = cursor.fetchall()
                res_lst = []
                for i in res_tup:
                    for j in i:
                        res_lst.append(j)
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")
                e1.insert(0, res_lst[0])
                e2.insert(0, res_lst[1])
```

```
                e3.insert(0, res_lst[2])
                e4.insert(0, res_lst[3])
                conn.commit()
            except:
                conn.rollback()
        elif (num == 3):
            try:
                del_ex_id = int(e1.get())
                del_ex_phone = int(e3.get())
            except:
                messagebox.showinfo('Alert', 'Branch id
should be a Number!')
            del_ex_name = e2.get()
            b_id = e4.get()
            tup = (del_ex_name, del_ex_phone, b_id,
del_ex_id)
            print(tup)
            s = '''
                update
mini_project_dms.delivery_executive_contact bc natural join
mini_project_dms.delivery_executive b
                set
b.del_ex_name=%s,bc.del_ex_phone=%s,b.b_id=%s where
del_ex_id=%s;
              '''
            try:
                cursor.execute(s, tup)
                conn.commit()
                messagebox.showinfo('Success', 'Updated
Successfully!')
                e1.delete(0, "end")
                e2.delete(0, "end")
                e3.delete(0, "end")
                e4.delete(0, "end")

            except:
                conn.rollback()
        elif (num == 4):
            e1.delete(0, "end")
            e2.delete(0, "end")
            e3.delete(0, "end")
            e4.delete(0, "end")
        elif (num == 5):
            root.destroy()
```

```
            DMS_Page()
        cursor.close()
        conn.close()

    root = Tk()
    f = Frame(root, width=620, height=390, bg="black")
    root.title("Executive Details")
    l1 = LabelFrame(f, text="Executive Details", width=400,
height=350, bg="black", fg="lightgreen",
                    font=('TIMES NEW ROMAN', 28,
'underline'))
    l1.place(x=15, y=25)
    labelframe2 = LabelFrame(f, text="", width=180,
height=330, bg="black", fg="lightgreen",
                             font=('TIMES NEW ROMAN', 28,
'underline'))
    labelframe2.place(x=420, y=48)
    l2 = Label(f, text="Executive ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l2.place(x=25, y=100)
    l3 = Label(f, text="Executive Name:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l3.place(x=25, y=160)
    l4 = Label(f, text="Executive Phone:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l4.place(x=25, y=220)
    l5 = Label(f, text="Branch ID:", fg="lightgreen",
bg="black", font=('TIMES NEW ROMAN', 13))
    l5.place(x=25, y=280)
    e1 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e1.place(x=150, y=100)
    e2 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e2.place(x=150, y=160)
    e3 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e3.place(x=150, y=220)
    e4 = Entry(f, width=20, fg="white", bg="black",
font=('TIMES NEW ROMAN', 13))
    e4.place(x=150, y=280)
    b1 = Button(f, text="Add", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(1))
```

```
    b1.place(x=450, y=55)
    b2 = Button(f, text="Search", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(2))
    b2.place(x=450, y=120)
    b3 = Button(f, text="Update", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(3))
    b3.place(x=450, y=190)
    b4 = Button(f, text="Clear", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(4))
    b4.place(x=450, y=260)
    b5 = Button(f, text="Home Page", width=8, height=1,
fg="white", bg="green", font=('TIMES NEW ROMAN', 16),
                command=lambda: onClick3(5))
    b5.place(x=450, y=330)
    f.pack()
    root.mainloop()


class DMS_Page:
    def __init__(self):
        self.mainWindow = Tk()
        self.f2 = Frame(self.mainWindow, width=600,
height=530, bg="black")
        self.mainWindow.title("Delivery Management System")
        self.f2.pack()
        self.l1 = Label(self.f2, text="Delivery Management
System", fg="lightgreen", bg="black",
                        font=('TIMES NEW ROMAN', 28,
'underline'))
        self.l1.place(x=94, y=25)
        self.b1 = Button(self.f2, text="Customer Details",
width=15, height=1, fg="lightgreen", bg="black",
                         font=('TIMES NEW ROMAN', 25),
command=lambda: self.onClose(1))
        self.b1.place(x=140, y=120)
        self.b2 = Button(self.f2, text="Branch Details",
width=15, height=1, fg="lightgreen", bg="black",
                         font=('TIMES NEW ROMAN', 25),
command=lambda: self.onClose(2))
        self.b2.place(x=140, y=220)
        self.b3 = Button(self.f2, text="Delivery Details",
```

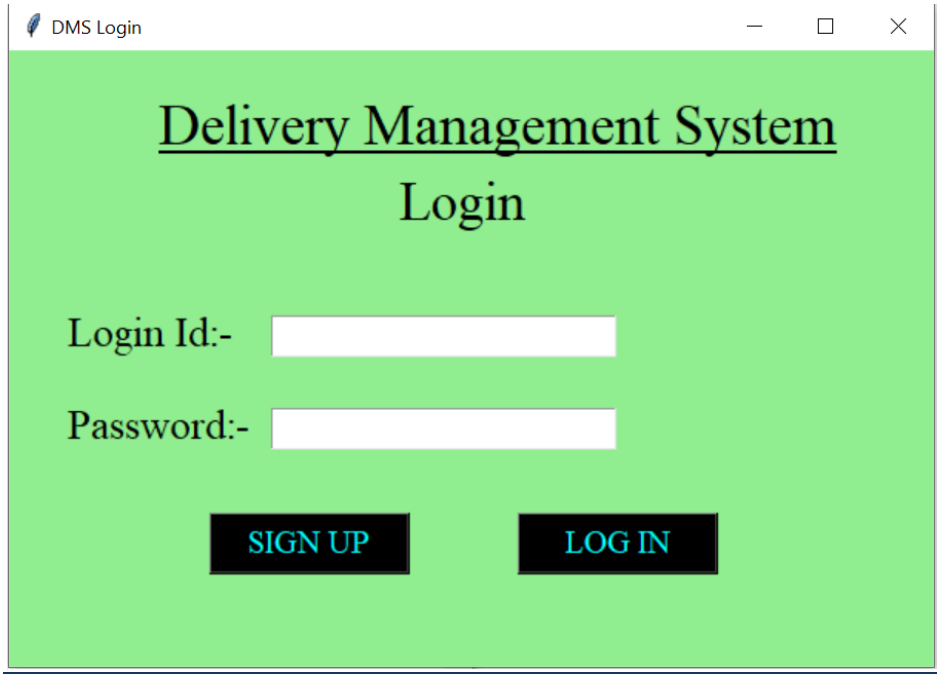
```
width=15, height=1, fg="lightgreen", bg="black",
                          font=('TIMES NEW ROMAN', 25),
command=lambda: self.onClose(3))
        self.b3.place(x=140, y=320)
        self.b4 = Button(self.f2, text="Executive Details",
width=15, height=1, fg="lightgreen", bg="black",
                          font=('TIMES NEW ROMAN', 25),
command=lambda: self.onClose(4))
        self.b4.place(x=140, y=420)
        self.mainWindow.mainloop()

    def onClose(self, num):
        self.mainWindow.destroy()
        self.num = num
        if (self.num == 1):
            onClickCustomer()
        elif (self.num == 2):
            onClickBranch()
        elif (self.num == 3):
            onClickDelivery()
        elif (self.num == 4):
            onClickDel_Executive()


def onClick(num):
    conn = mysql.connector.connect(host='localhost',
user='root', password='legend_123',
database='mini_project_dms')
    if conn.is_connected():
        print('Connected to MySQL database')
    cursor = conn.cursor()
    branch_id = int(e1.get())  # b_id is login id
    password = e2.get()
    tuple1 = (branch_id, password)
    if (num == 1):
        s = "insert into
mini_project_dms.signup_page(b_id,password) values(%s,%s)"
        try:
            cursor.execute(s, tuple1)
            conn.commit()
            messagebox.showinfo('SignUp Successful', 'You
have succesfully signed up!')
        except:
            conn.rollback()
```

```
            messagebox.showinfo('Alert', 'Login id with
password already exist!')
    elif (num == 2):
        tuple1 = (branch_id)
        s = "select password from
mini_project_dms.signup_page where b_id=%d"
        try:
            cursor.execute(s % tuple1)
            password_fetched = cursor.fetchone()
            if password_fetched is not None:
                for i in password_fetched:
                    if (i == password):
                        conn.commit()
                        messagebox.showinfo('Login
Successful', 'You have succesfully logged in!')
                        root.destroy()
                        DMS_Page()

                    else:
                        messagebox.showinfo('Alert', 'Wrong
Password!')
            elif password_fetched is None:
                messagebox.showinfo('New User', 'Please
sign up first!')
        except:
            conn.rollback()
    cursor.close()
    conn.close()


root = Tk()
f = Frame(root, width=600, height=400, bg="lightgreen")
root.title("DMS Login")
l1 = Label(f, text="Delivery Management System",
fg="black", bg="lightgreen", font=('TIMES NEW ROMAN', 28,
'underline'))
l1.place(x=94, y=25)
l2 = Label(f, text="Login", fg="black", bg="lightgreen",
font=('TIMES NEW ROMAN', 26))
l2.place(x=250, y=75)
l3 = Label(f, text="Login Id:-", fg="black",
bg="lightgreen", font=('TIMES NEW ROMAN', 20))
l3.place(x=35, y=165)
l4 = Label(f, text="Password:-", fg="black",
```

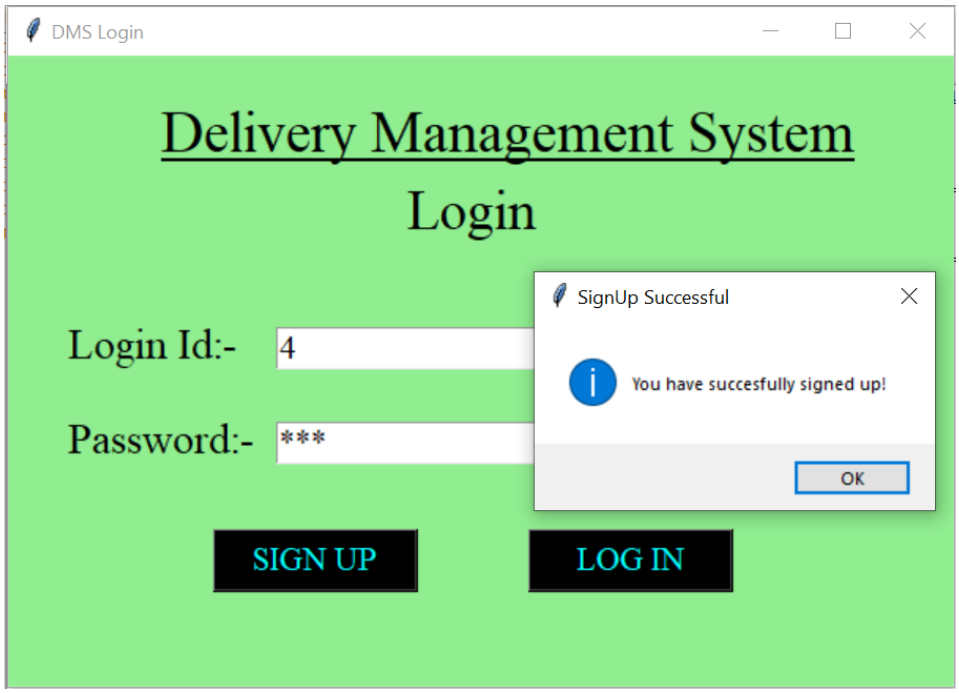
```
bg="lightgreen", font=('TIMES NEW ROMAN', 20))
l4.place(x=35, y=225)
e1 = Entry(f, width=20, bg="white", fg="black",
font=('TIMES NEW ROMAN', 16))
e1.place(x=170, y=172)
e2 = Entry(f, width=20, bg="white", fg="black",
font=('TIMES NEW ROMAN', 16), show='*')
e2.place(x=170, y=232)
b1 = Button(f, text="SIGN UP", width=10, height=1,
fg="cyan", bg="black", font=('TIMES NEW ROMAN', 16),
            command=lambda: onClick(1))
b1.place(x=130, y=300)
b2 = Button(f, text="LOG IN", width=10, height=1,
fg="cyan", bg="black", font=('TIMES NEW ROMAN', 16),
            command=lambda: onClick(2))
b2.place(x=330, y=300)
f.pack()
root.mainloop()
```

GUI FRAMES

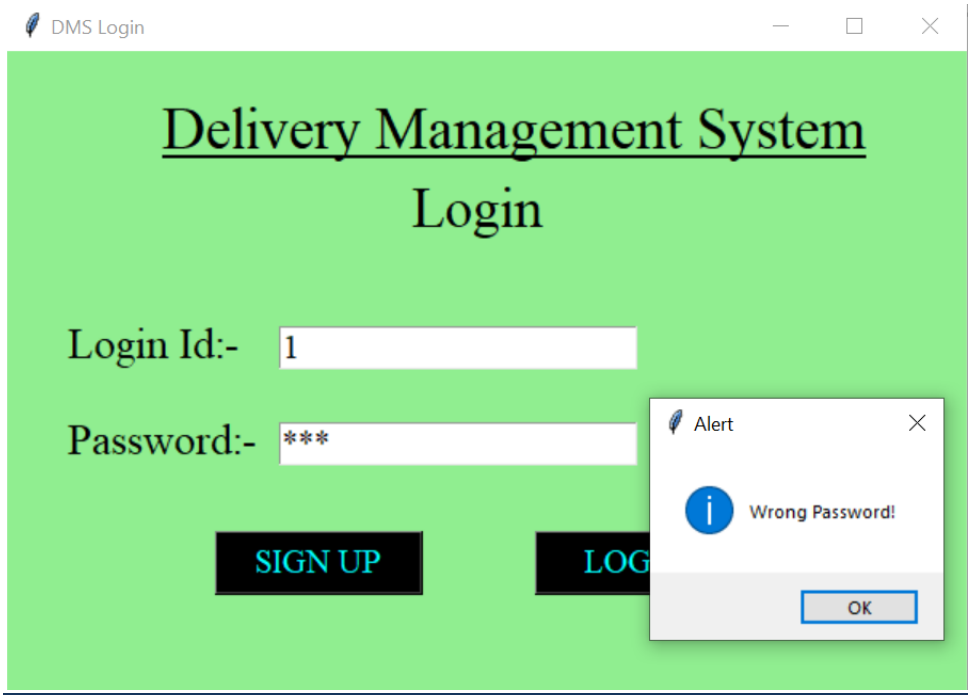
1) Login page to DMS:



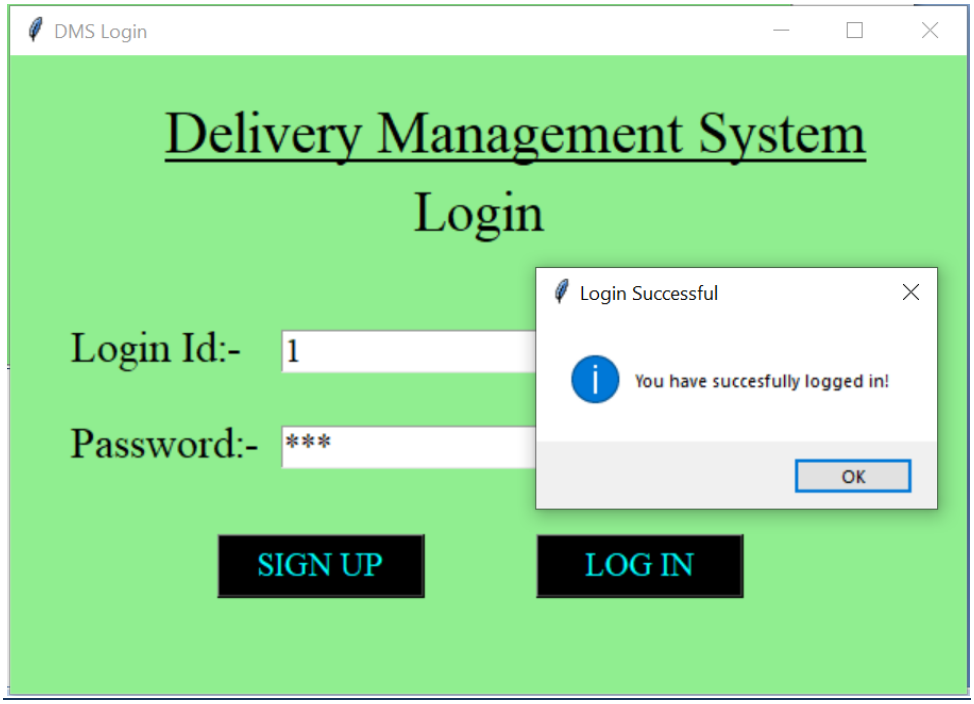
2) Sign up page:



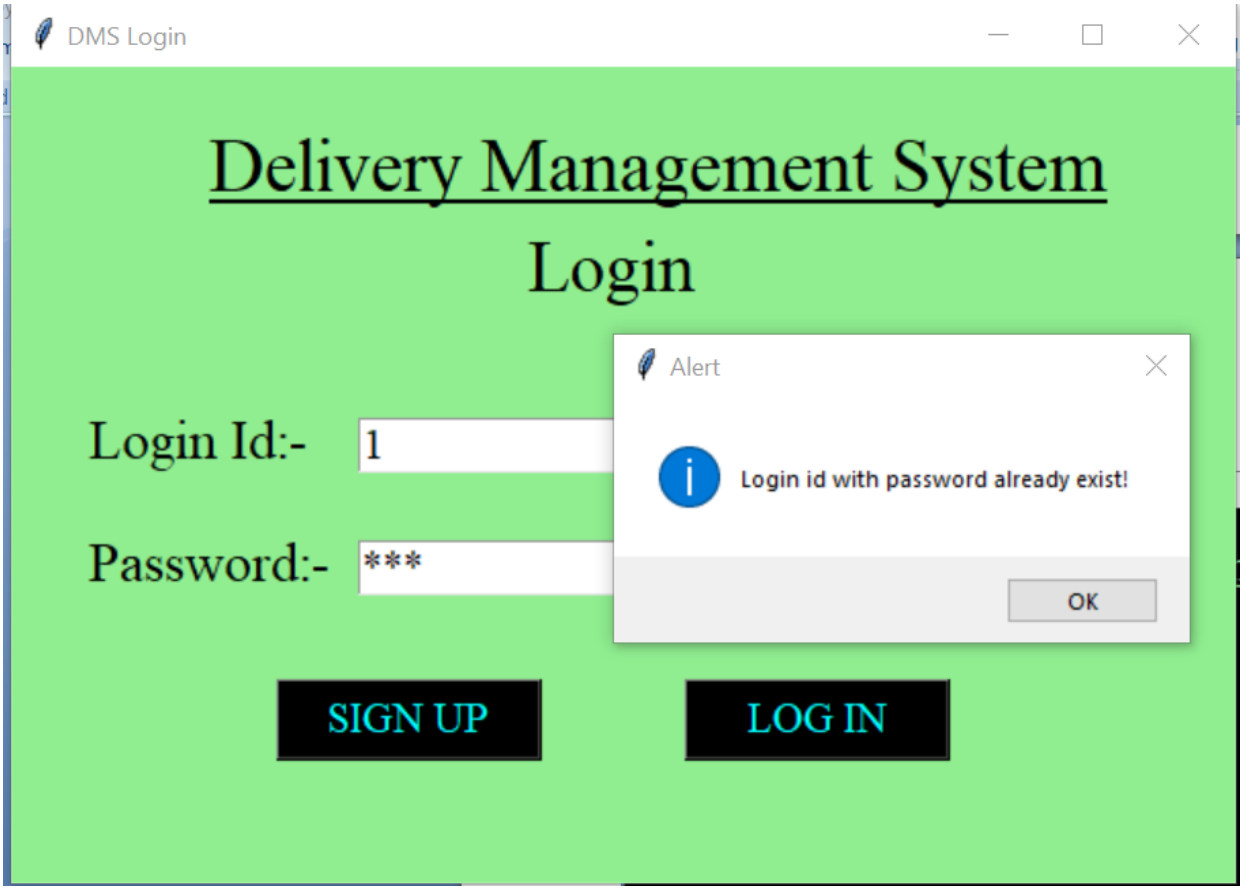
3) Logging in with wrong password:



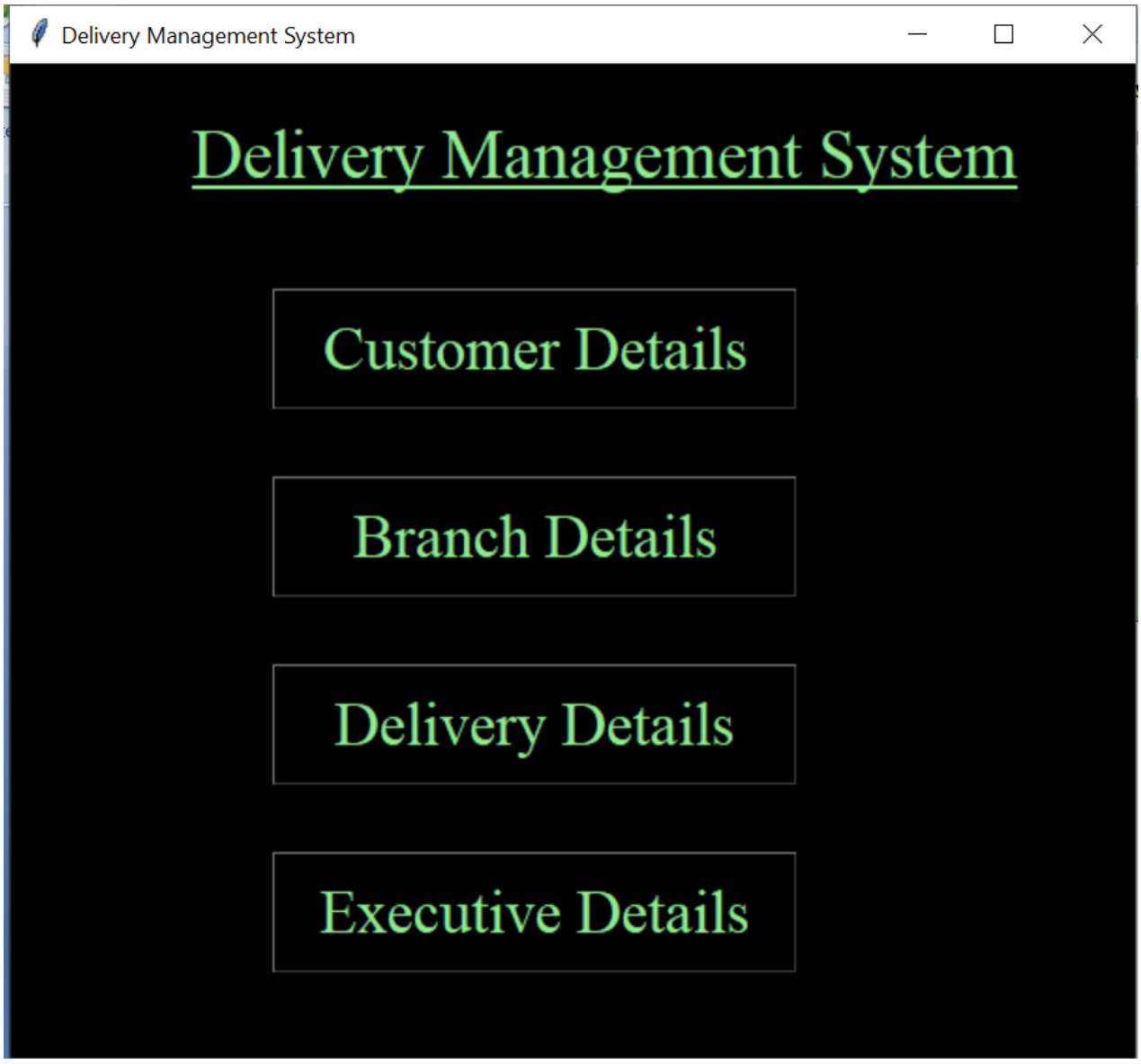
4) Logged in successfully:



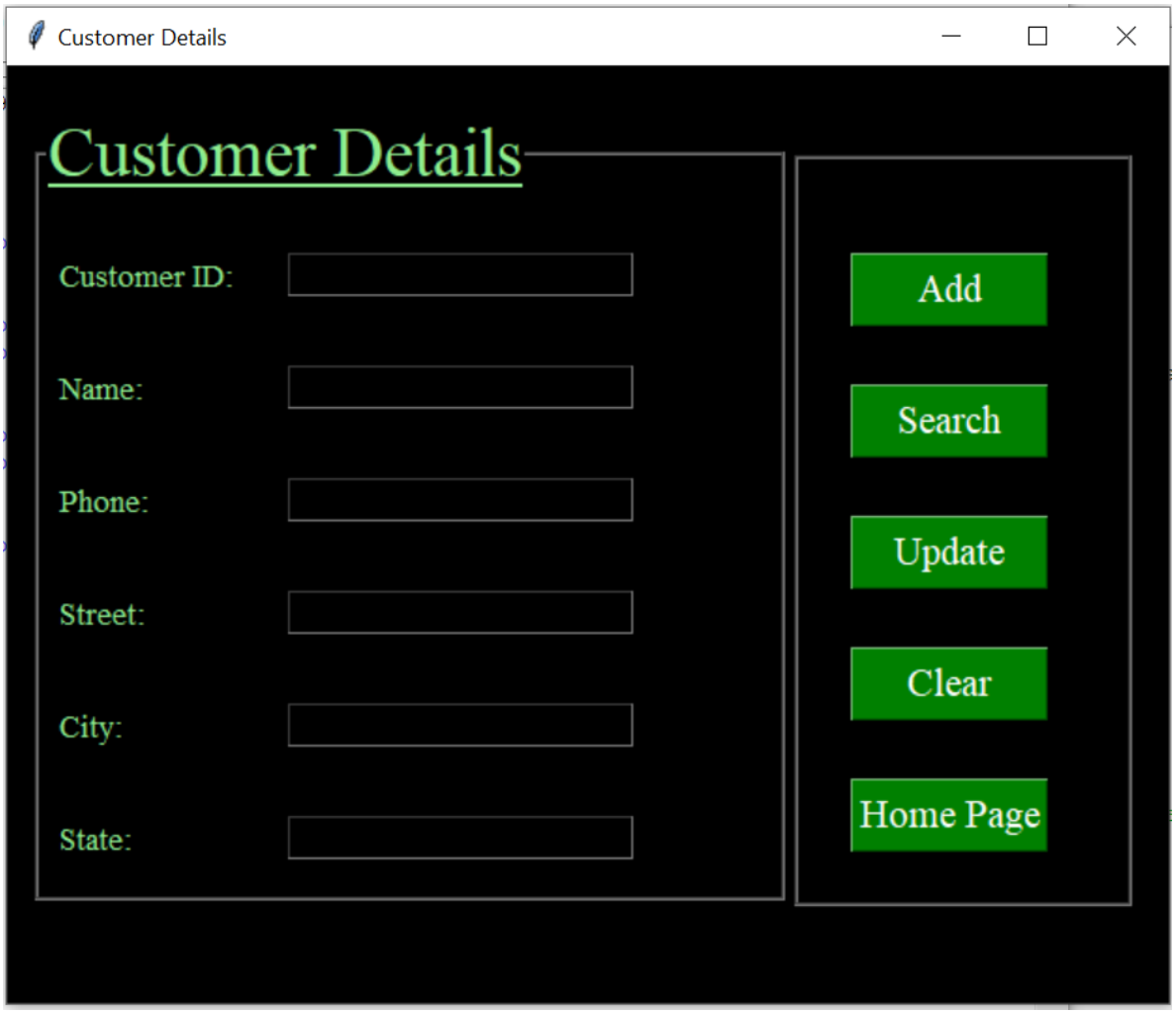
5) Signing up with same login id:



6) DMS Homepage:

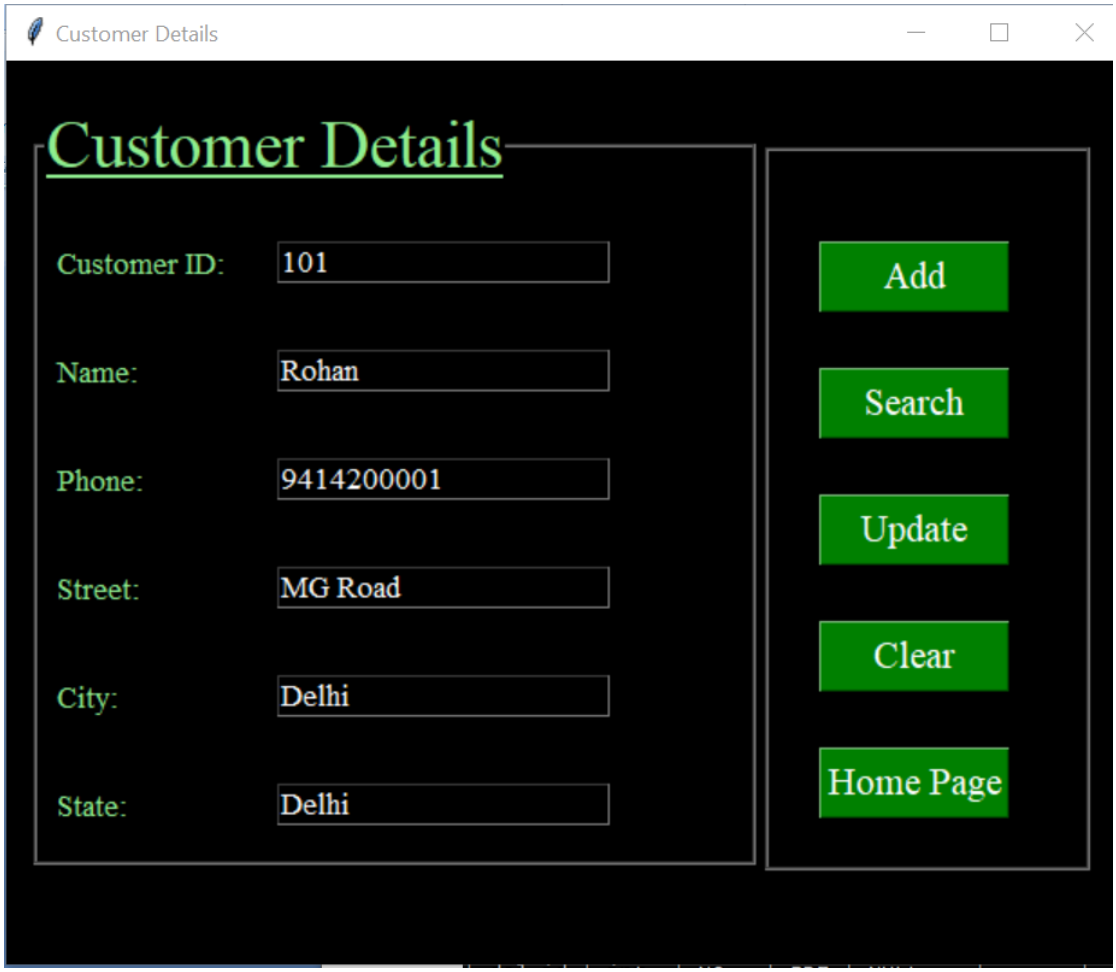


7) Customer Details:

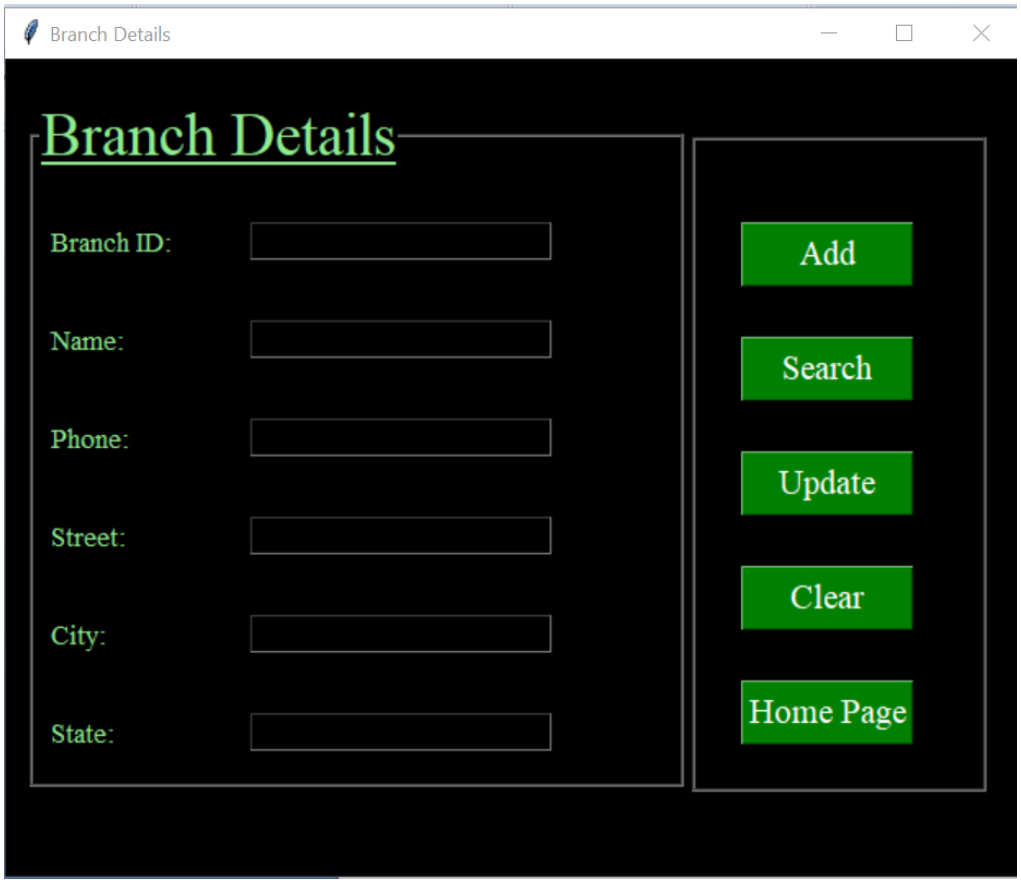


Add	To add new customer entries to the database.
Search	To search customer details using customer id.
Update	To update the customer data using customer id
Clear	To clear the values from the entry widget
Home Page	To return to the DMS homepage

Ex- Searching the details of a customer with customer id = 101

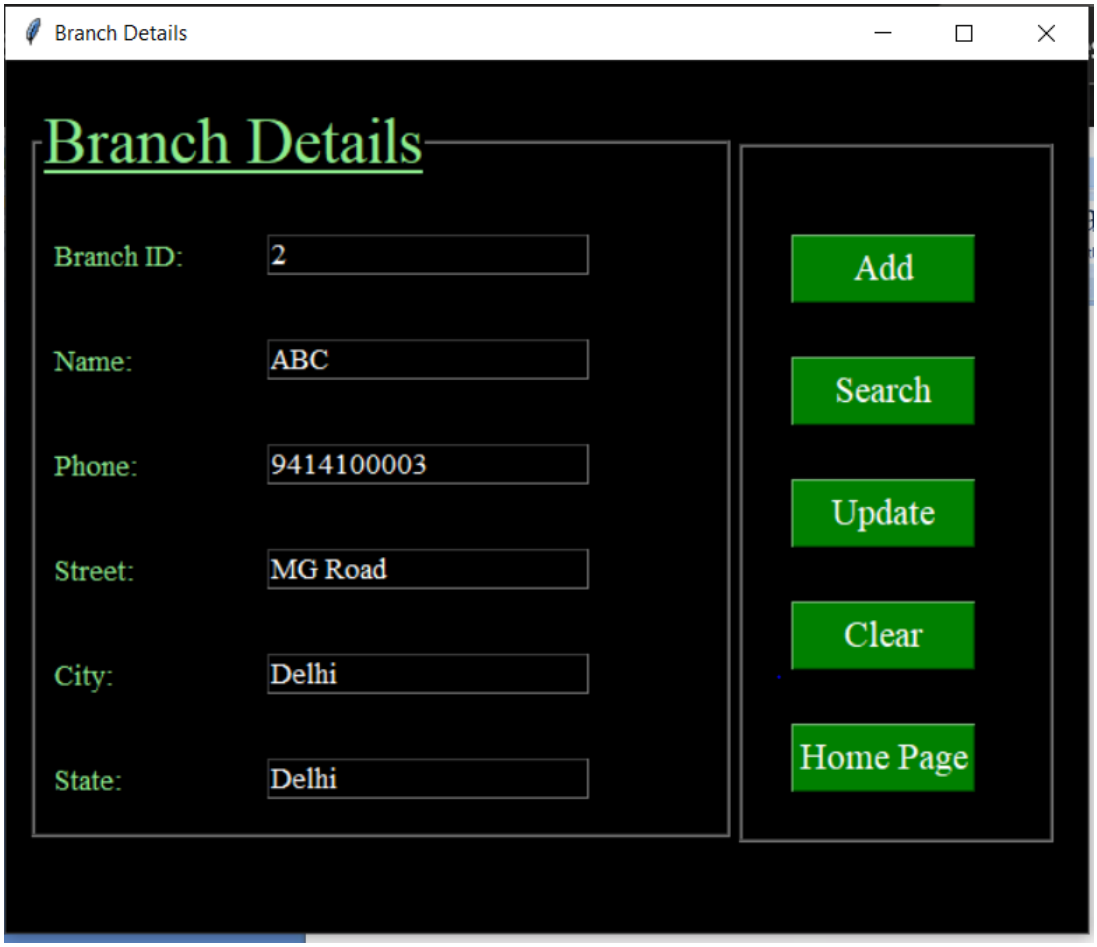


8) Branch Details:

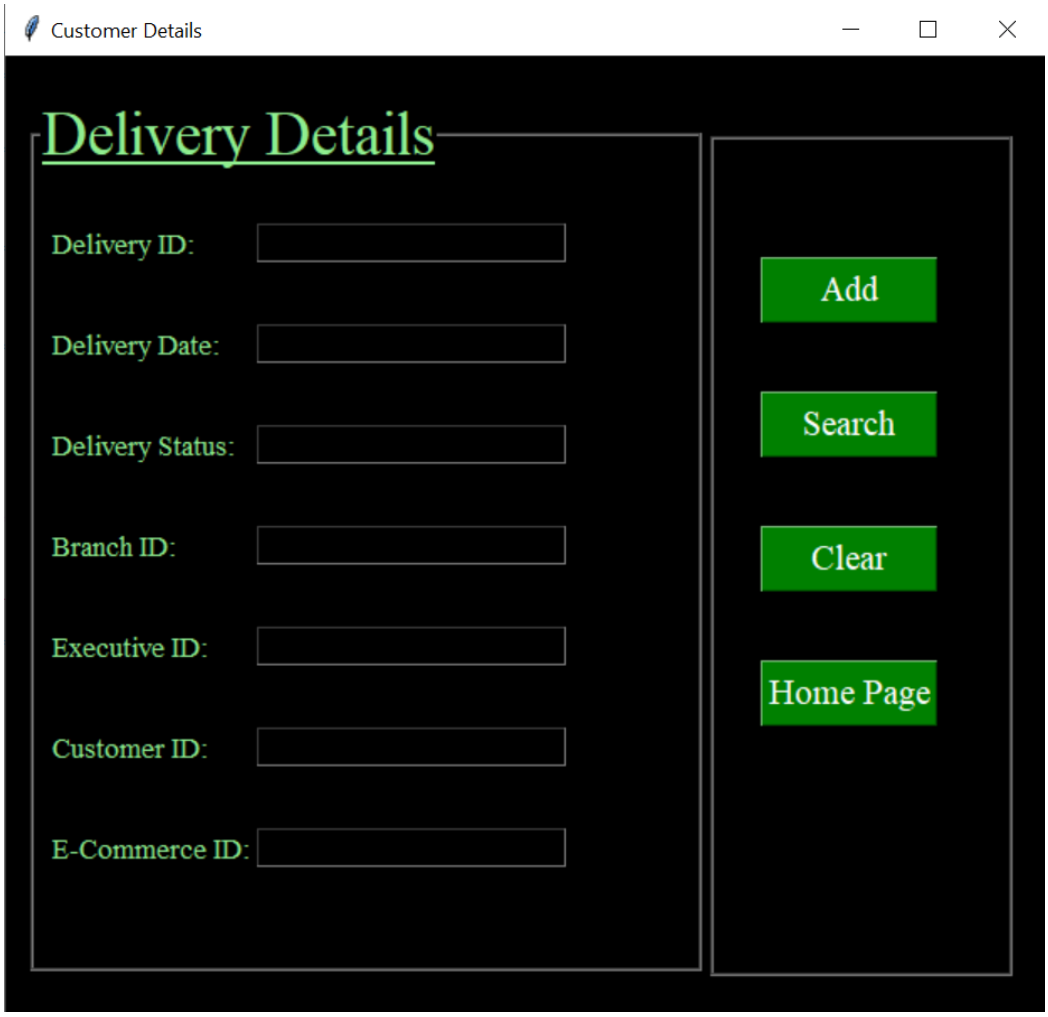


Add	To add new branch entries to the database.
Search	To search branch details using branch id.
Update	To update the branch data using branch id
Clear	To clear the values from the entry widget
Home Page	To return to the DMS homepage

Ex- Branch details of branch with branch id= 2

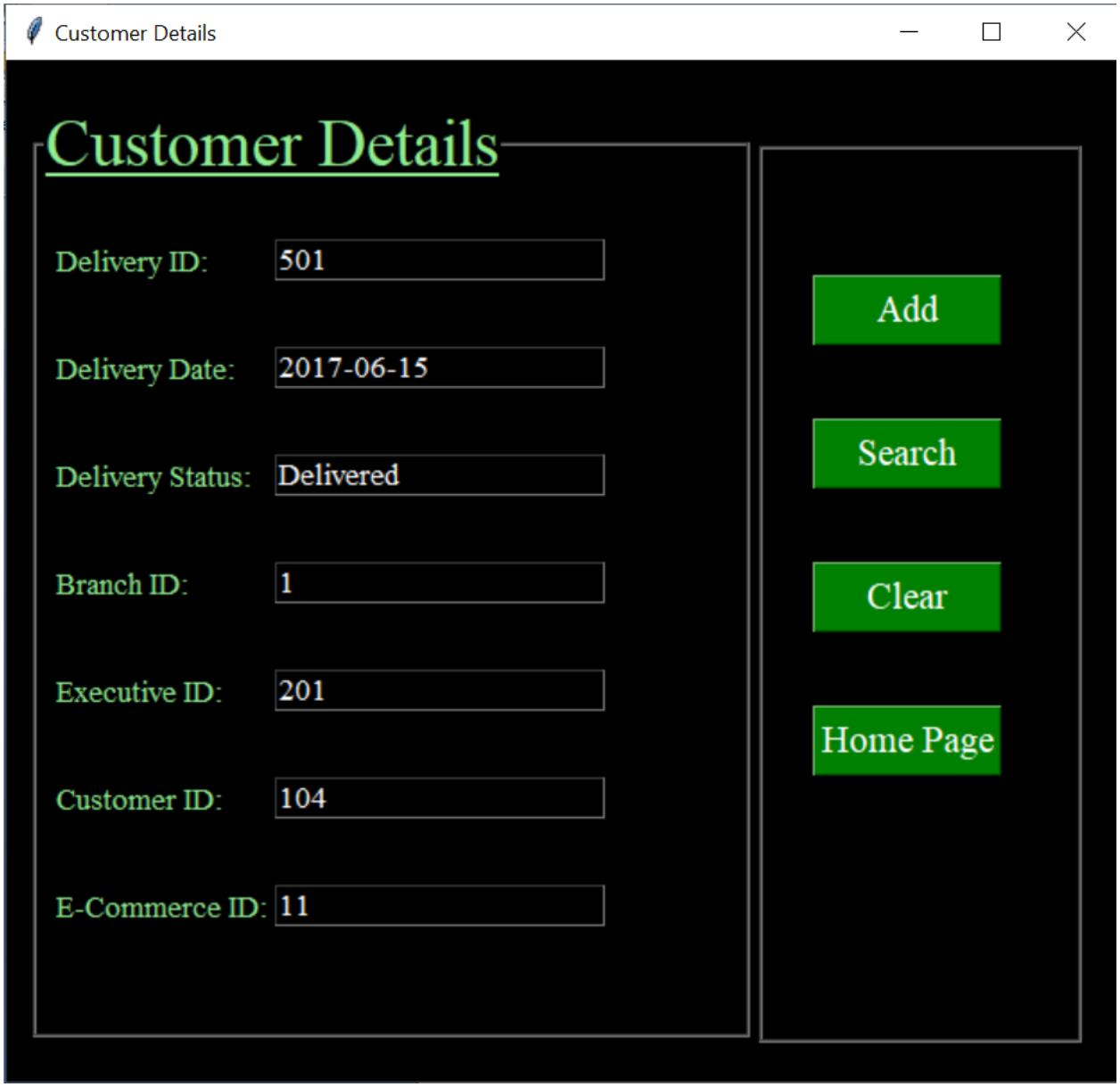


9) Delivery Details:

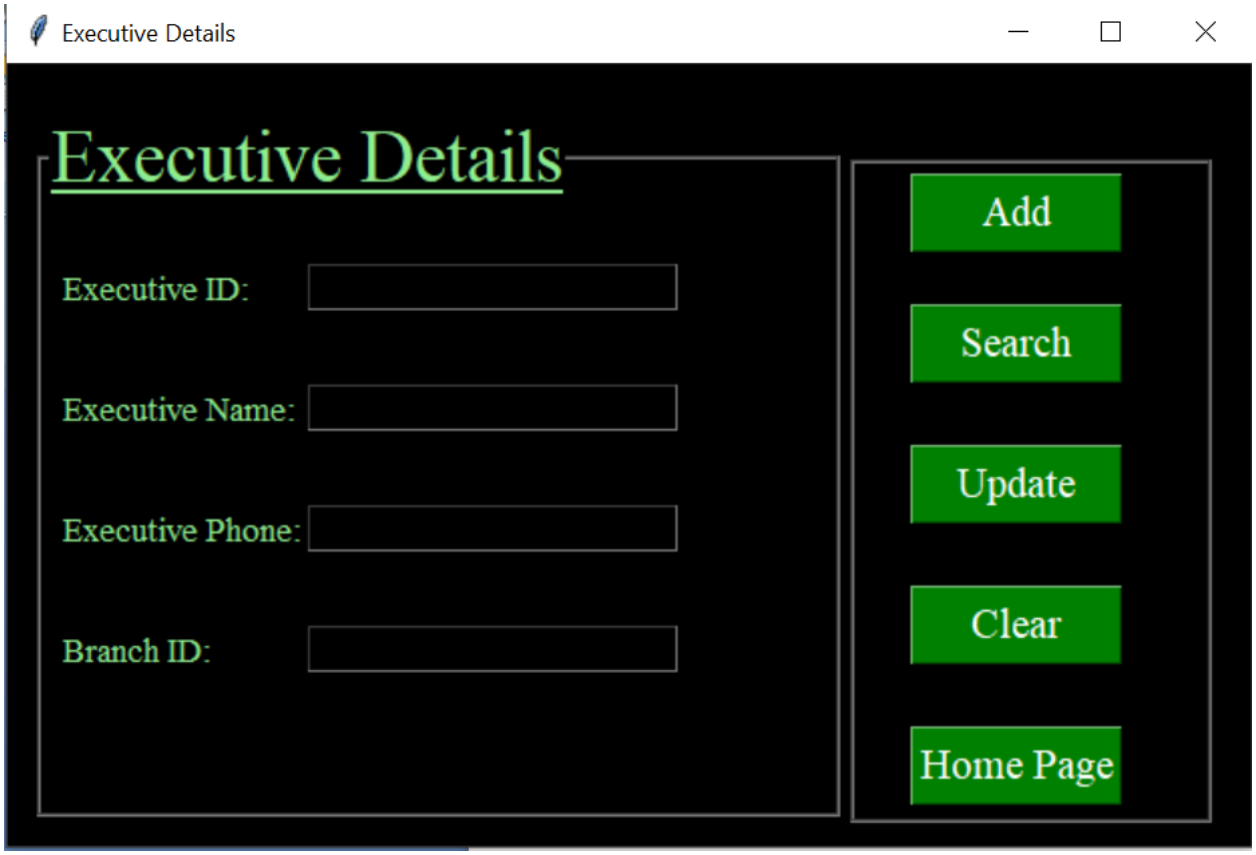


Add	To add new entries regarding delivery to the database.
Search	To search delivery details using delivery id.
Clear	To clear the values from the entry widget
Home Page	To return to the DMS homepage

Ex- Delivery details of an order with delivery d = 501

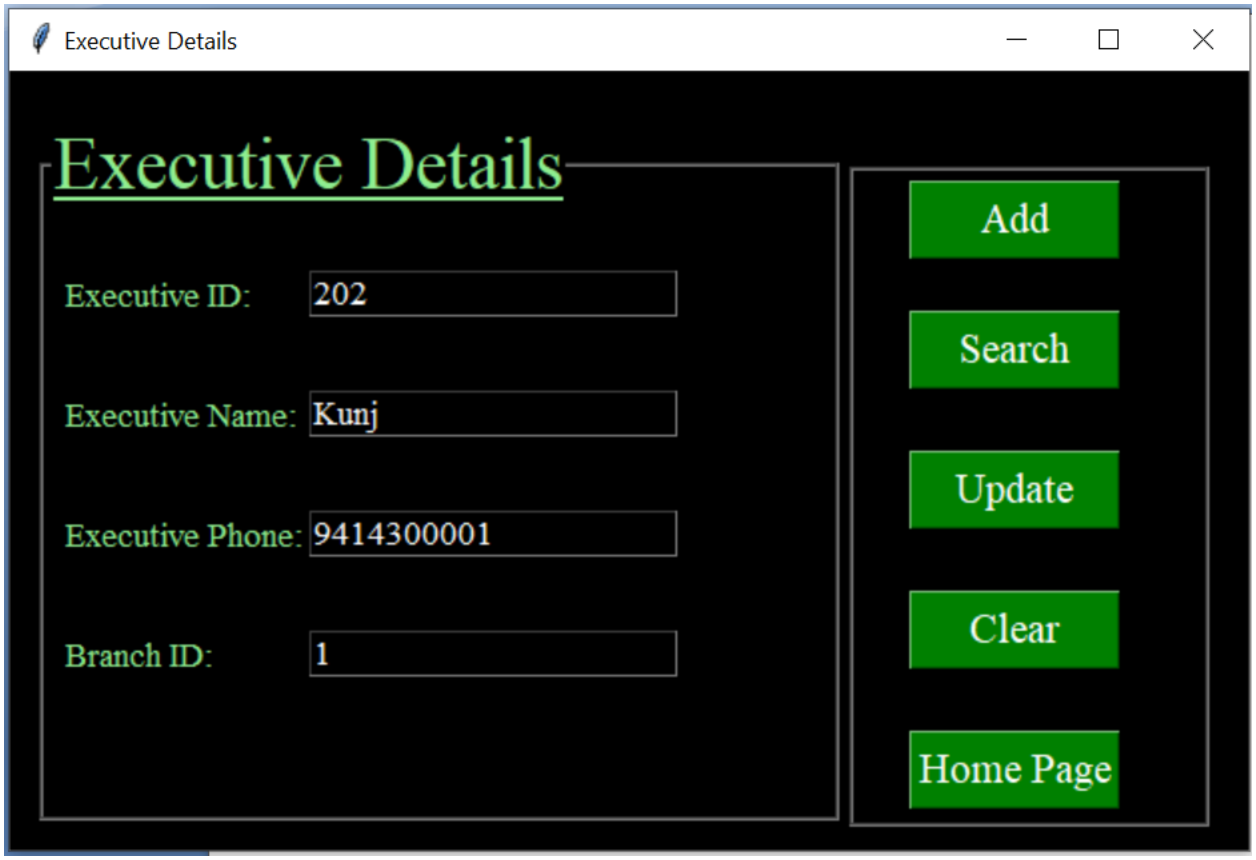


10) Delivery Executive details:

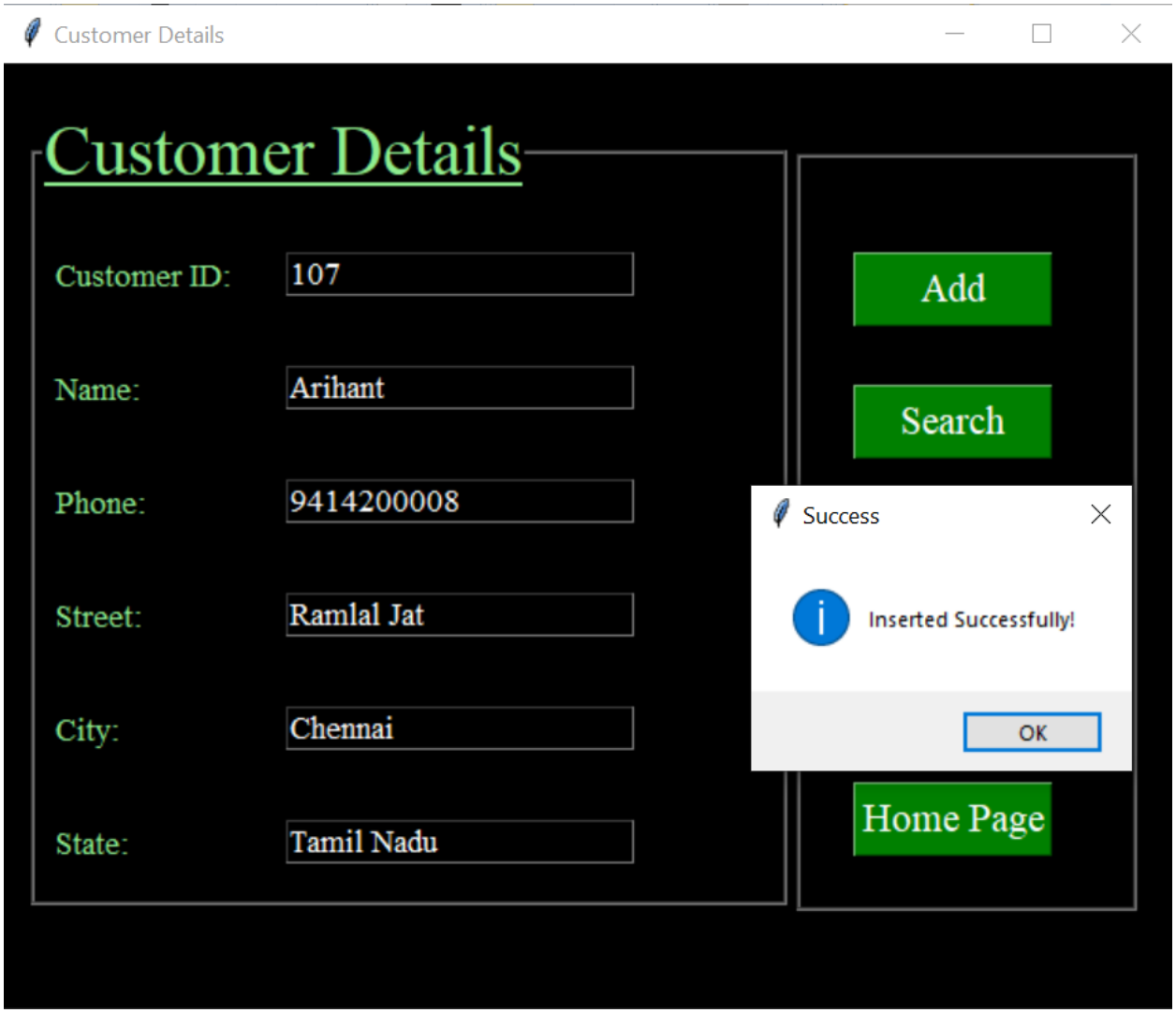


Add	To add new delivery executive entries to the database.
Search	To search customer details using delivery executive id.
Update	To update the delivery executive data
Clear	To clear the values from the entry widget
Home Page	To return to the DMS homepage

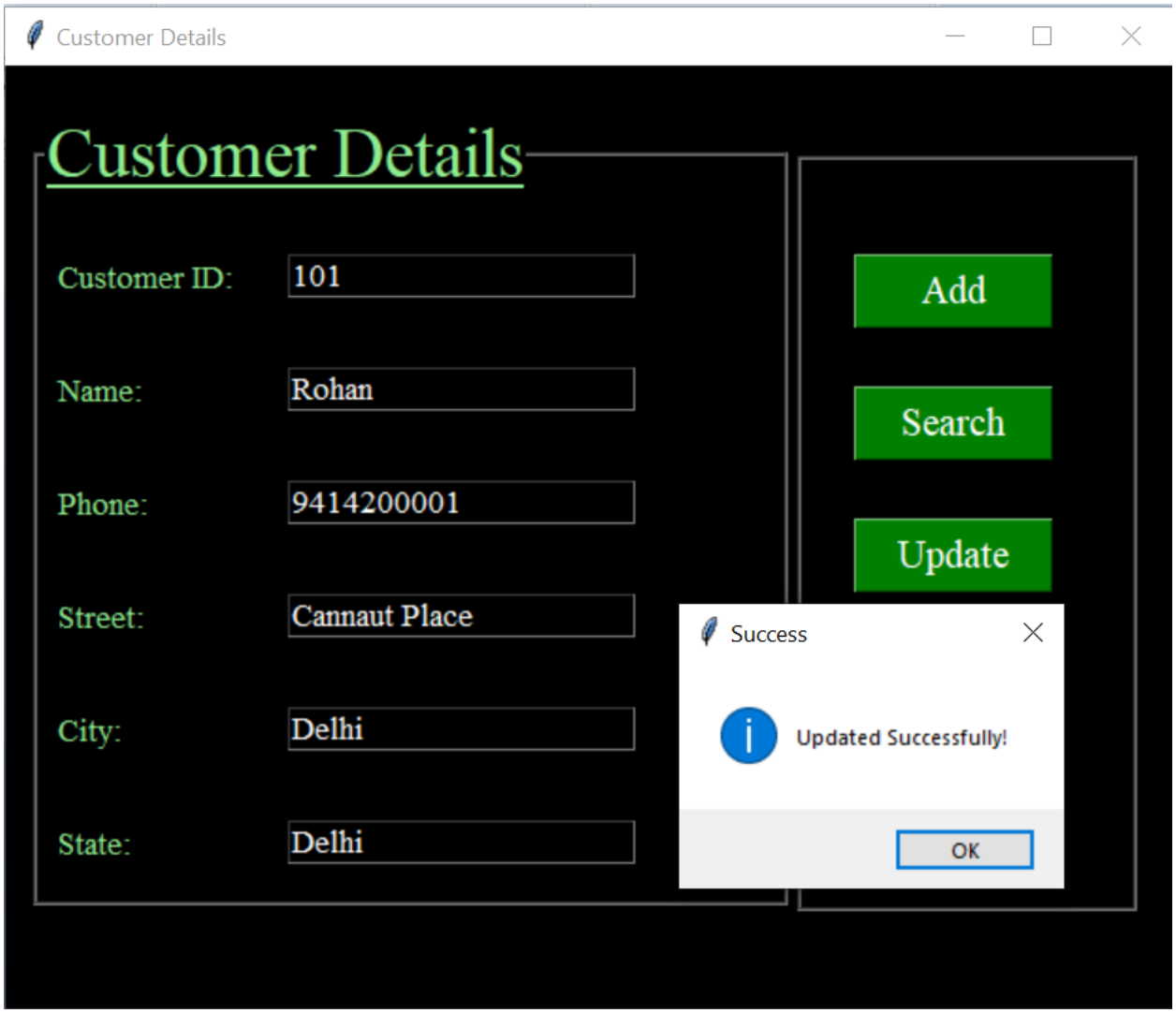
Ex- Delivery Executive details where del_ex_id = 202



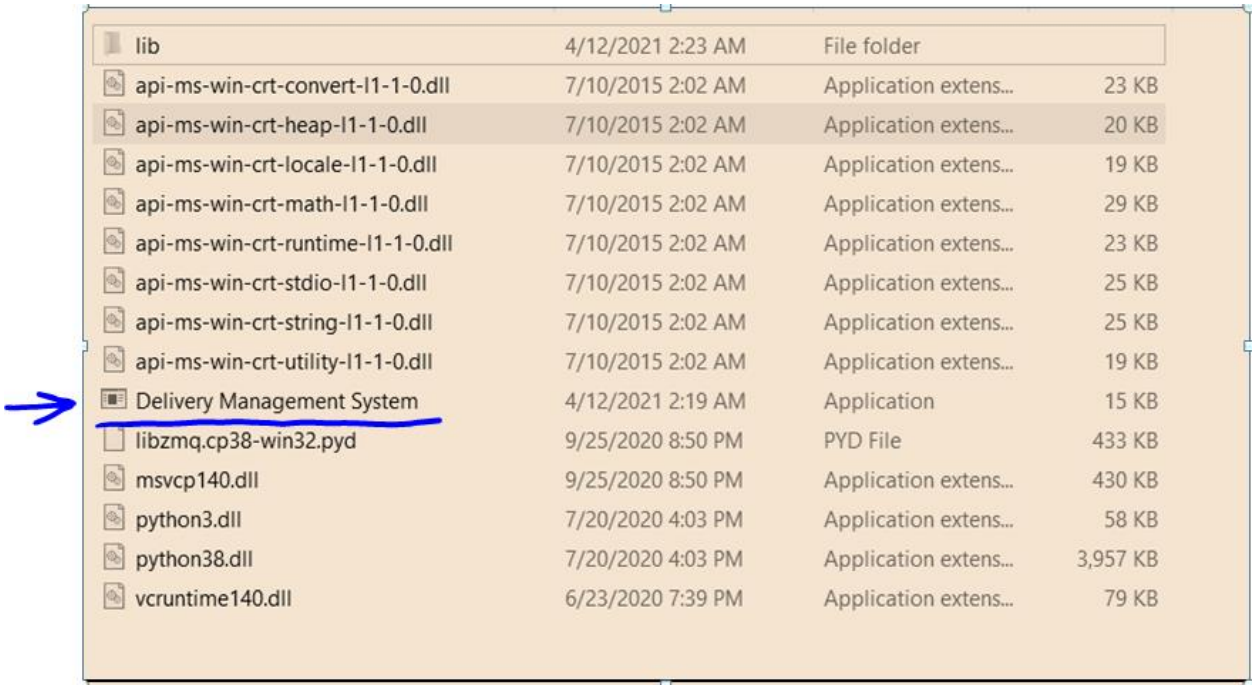
Ex- New customer added



Ex- Street UPDATED for customer id 101.



APPLICATION CREATED (exe file)



lib	4/12/2021 2:23 AM	File folder	
api-ms-win-crt-convert-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	23 KB
api-ms-win-crt-heap-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	20 KB
api-ms-win-crt-locale-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	19 KB
api-ms-win-crt-math-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	29 KB
api-ms-win-crt-runtime-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	23 KB
api-ms-win-crt-stdio-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	25 KB
api-ms-win-crt-string-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	25 KB
api-ms-win-crt-utility-l1-1-0.dll	7/10/2015 2:02 AM	Application extens...	19 KB
Delivery Management System	4/12/2021 2:19 AM	Application	15 KB
libzmq.cp38-win32.pyd	9/25/2020 8:50 PM	PYD File	433 KB
msvcp140.dll	9/25/2020 8:50 PM	Application extens...	430 KB
python3.dll	7/20/2020 4:03 PM	Application extens...	58 KB
python38.dll	7/20/2020 4:03 PM	Application extens...	3,957 KB
vcruntime140.dll	6/23/2020 7:39 PM	Application extens...	79 KB