Step 1: Save the file as app.py

app.py

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import sqlite3
from flask import Flask, render_template, request
import tkinter as tk
from tkinter import ttk
app = Flask(__name__)
# Create a SQLite database and connect to it
conn = sqlite3.connect("lost_and_found.db")
cursor = conn.cursor()
# Create a table to store lost and found items
cursor.execute("""
    CREATE TABLE IF NOT EXISTS items (
        id INTEGER PRIMARY KEY AUTOINCREMENT,
        name TEXT NOT NULL,
        description TEXT,
        location TEXT,
        status TEXT NOT NULL
""")
conn.commit()
@app.route('/add item', methods=['POST'])
def add item():
   name = request.form['name']
    description = request.form['description']
    location = request.form['location']
    cursor.execute("INSERT INTO items (name, description, location, status)
VALUES (?, ?, ?, ?)",
                   (name, description, location, "Lost"))
    conn.commit()
    return "Item added successfully."
@app.route('/find_item', methods=['POST'])
def find_item():
    name = request.form['name']
    cursor.execute("SELECT * FROM items WHERE name=?", (name,))
    item = cursor.fetchone()
    if item:
        return f"Name: {item[1]}\nDescription: {item[2]}\nLocation:
{item[3]}\nStatus: {item[4]}"
    else:
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return "Item not found."
@app.route('/update_status_found', methods=['POST'])
def update_status_found():
    name = request.form['name']
    cursor.execute("UPDATE items SET status=? WHERE name=?", ("Found",
name))
    conn.commit()
    return f"Status of item '{name}' updated to 'Found'."
@app.route('/list_items')
def list items():
    cursor.execute("SELECT * FROM items")
    items = cursor.fetchall()
    result = ""
   if items:
        for item in items:
            result += f"Name: {item[1]}\nDescription: {item[2]}\nLocation:
{item[3]}\nStatus: {item[4]}\n{'-'*20}\n"
    else:
        result = "No items found."
    return result
def clear_entries():
    name entry.delete(0, tk.END)
    description entry.delete(0, tk.END)
    location_entry.delete(0, tk.END)
def add_item_tkinter():
    name = name_entry.get()
    description = description_entry.get()
   location = location_entry.get()
    cursor.execute("INSERT INTO items (name, description, location, status)
VALUES (?, ?, ?, ?)",
                   (name, description, location, "Lost"))
    conn.commit()
    result label.config(text="Item added successfully.")
    clear entries()
def find_item_tkinter():
    name = name_entry.get()
    cursor.execute("SELECT * FROM items WHERE name=?", (name,))
    item = cursor.fetchone()
    if item:
        result_label.config(text=f"Name: {item[1]}\nDescription:
{item[2]}\nLocation: {item[3]}\nStatus: {item[4]}")
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result_label.config(text="Item not found.")
def update status found tkinter():
    name = name_entry.get()
    cursor.execute("UPDATE items SET status=? WHERE name=?", ("Found",
name))
   conn.commit()
   result_label.config(text=f"Status of item '{name}' updated to 'Found'.")
    list items tkinter() # Refresh the list of items to reflect the updated
status
def list items tkinter():
    cursor.execute("SELECT * FROM items")
    items = cursor.fetchall()
    if items:
        result label.config(text="")
        for item in items:
            result label.config(text=result label.cget("text") + f"\nName:
{item[1]}\nDescription: {item[2]}\nLocation: {item[3]}\nStatus:
\{item[4]\}\n{'-'*20}\n")
   else:
        result label.config(text="No items found.")
# Create the main window
root = tk.Tk()
root.title("Lost and Found System")
# Create and layout widgets
frame = ttk.Frame(root)
frame.grid(column=0, row=0, padx=10, pady=10)
name label = ttk.Label(frame, text="Name:")
name_label.grid(column=0, row=0, padx=5, pady=5, sticky=tk.W)
name entry = ttk.Entry(frame)
name_entry.grid(column=1, row=0, padx=5, pady=5)
description label = ttk.Label(frame, text="Description:")
description label.grid(column=0, row=1, padx=5, pady=5, sticky=tk.W)
description_entry = ttk.Entry(frame)
description entry.grid(column=1, row=1, padx=5, pady=5)
location_label = ttk.Label(frame, text="Location:")
location label.grid(column=0, row=2, padx=5, pady=5, sticky=tk.W)
location_entry = ttk.Entry(frame)
location entry.grid(column=1, row=2, padx=5, pady=5)
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add_button = ttk.Button(frame, text="Add Item", command=add_item_tkinter)
add_button.grid(column=0, row=3, columnspan=2, padx=5, pady=5)

find_button = ttk.Button(frame, text="Find Item", command=find_item_tkinter)
find_button.grid(column=0, row=4, columnspan=2, padx=5, pady=5)

update_found_button = ttk.Button(frame, text="Update Status to Found",
command=update_status_found_tkinter)
update_found_button.grid(column=0, row=5, columnspan=2, padx=5, pady=5)

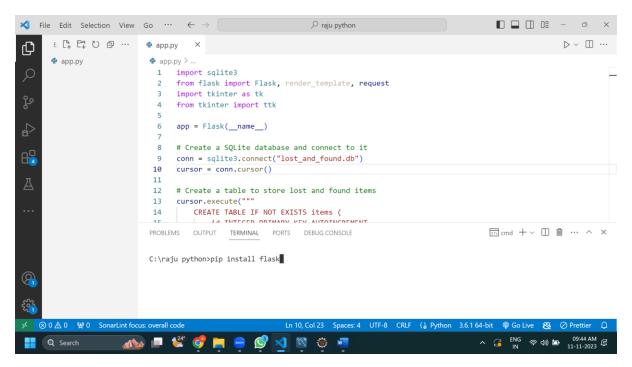
list_button = ttk.Button(frame, text="List All Items",
command=list_items_tkinter)
list_button.grid(column=0, row=6, columnspan=2, padx=5, pady=5)

result_label = ttk.Label(frame, text="", wraplength=300)
result_label.grid(column=0, row=7, columnspan=2, padx=5, pady=10)

root.mainloop()

if __name__ == '__main__':
    app.run(debug=True)
```

Step 2: Go to project location and run the fallowing commands



C:\raju python>pip install flask

CC:\raju python>python app.py

