

Implementation of live weather notifications on the desktop

Source code:

```
import tkinter as tk
from tkinter import messagebox
from plyer import notification
import requests

def get_weather(api_key, city):
    base_url = "http://api.openweathermap.org/data/2.5/weather"
    params = {
        'q': city,
        'appid': api_key,
        'units': 'metric'
    }

    try:
        response = requests.get(base_url, params=params)
        data = response.json()

        if response.status_code == 200:
            return data['main']['temp'], data['weather'][0]['description']
        else:
            return None, None
    except Exception as e:
```

```
        print("Error fetching weather data:", e)
        return None, None

def show_weather():
    city = city_entry.get()
    api_key = '9210374387d45b5f07109259367448d1'

    if not city:
        messagebox.showwarning("Warning", "Please enter a city name.")
        return

    temperature, description = get_weather(api_key, city)
    if temperature is not None and description is not None:
        message = f"Temperature: {temperature}°C\nDescription: {description.capitalize()}"
        notification.notify(
            title=f"Weather in {city}",
            message=message,
            timeout=10
        )
    else:
        messagebox.showerror("Error", "Failed to fetch weather data. Please check the city name and try again.")

# GUI setup
```

```
root = tk.Tk()
root.title("Weather Notification")

label = tk.Label(root, text="Enter city:")
label.pack(pady=10)

city_entry = tk.Entry(root)
city_entry.pack(pady=10)

get_weather_button = tk.Button(root, text="Get Weather",
command=show_weather)
get_weather_button.pack(pady=10)

root.mainloop()
```