

# FINAL PROJECT PRESENTATION

## PROJECT: REAL-TIME WEATHER APP USING PYTHON

COSC 111 001

Start

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# INTRODUCTION

This is a simple desktop weather app built with Python. It shows real-time weather info for any city using the OpenWeatherMap API, including temperature, condition, humidity, wind speed, and sunrise/sunset — all displayed with matching weather icons.







# PROBLEM

- People often need quick access to accurate weather information
- Checking weather through websites or apps can be slow or distracting







# SOLUTION

- A desktop weather app that provides real-time weather updates instantly
- Built using Python with a simple and clean GUI (tkinter)
- Uses OpenWeatherMap API to fetch live weather data for any city





# OBJECTIVES



- To build a real-time weather application that displays accurate, live weather data for any city using the OpenWeatherMap API
- To create a responsive and user-friendly GUI using the tkinter library in Python
- To implement autocomplete suggestions for faster and more convenient city selection
- To enhance user experience with dynamic visual elements, such as weather icons and real-time updates
- To apply JSON parsing and API integration in a real-world context



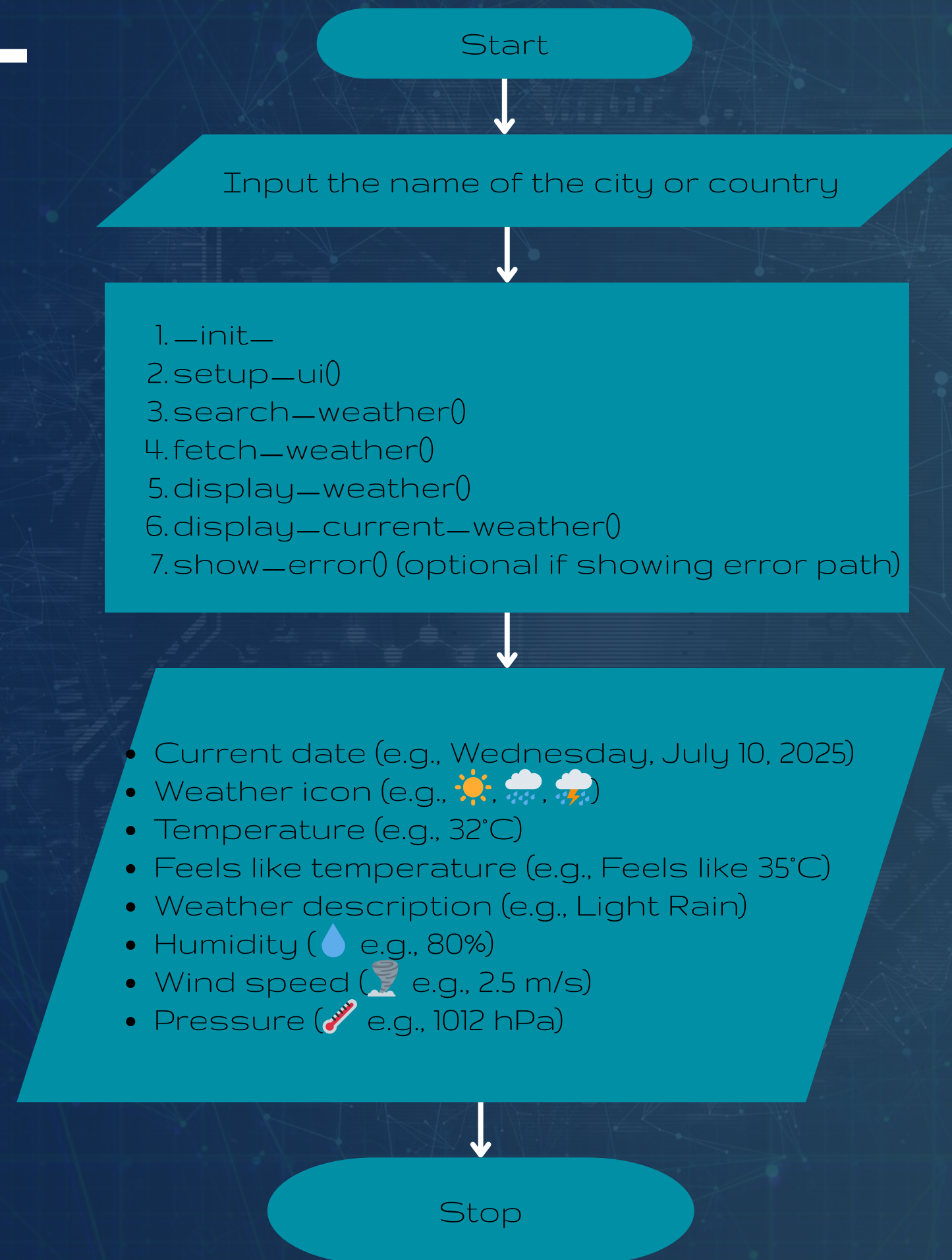


# METHODOLOGY





# MAIN FLOWCHART







# DEMO





# CONCLUSION







THANK YOU!

