

Project Title: Weather App

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Course Code: CPSC 6210-01 Scripting Languages

Authors:

\* Prudhvi Manukonda (1249674)

\* Sama Ambreen (1257011)

\* Sri Teja Upputuri (1250210)

Objective:

Create a weather app to get the weather details of a city.

**Tech Stack**: **Python, OpenWeather Api**

Key Outcomes:

A user-friendly website that gives detailed weather descriptions of temperature, humidity, pressure, sunrise, and sunset timings of any city across the globe at that point in time.

Summary:

In this project, we get the details of the climatic conditions of a city as per the requirement of the user. We use the python packages and third-party api [ [OpenWeather api](https://openweathermap.org/) ] to get the desired output.

Thesis:

The home screen of the weather application is designed such that it is user-friendly and gives a visualization of the result. Basically, one has to enter the valid name of the city, which they are looking for the details of the weather and click search.

Then the screen navigates to a result page where the output UI like Temperature, feels like temperature, humidity, pressure, description, and visibility are aligned in a systematic fashion.

After the desired output is seen on the screen one can either exit the application or can reset it so as to find the details of another city with help of the two buttons mentioned at the end of the page.

Python Packages used :

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| --- |
| Pillow==9.3.0 pytz==2022.6 requests==2.28.1 timezonefinder==6.0.1 |

Setup & Installation :

Clone the Repo :

|  |
| --- |
| $ git clone https://github.com/prudvi-m/weather-app |

Install the required packages :

|  |
| --- |
| $ pip3 install -r requirements.txt |

or

|  |
| --- |
| $ pip install -r requirements.txt |

Running :

Following a successful clone, please move to the weather-app folder

|  |
| --- |
| $ python3 app.py |

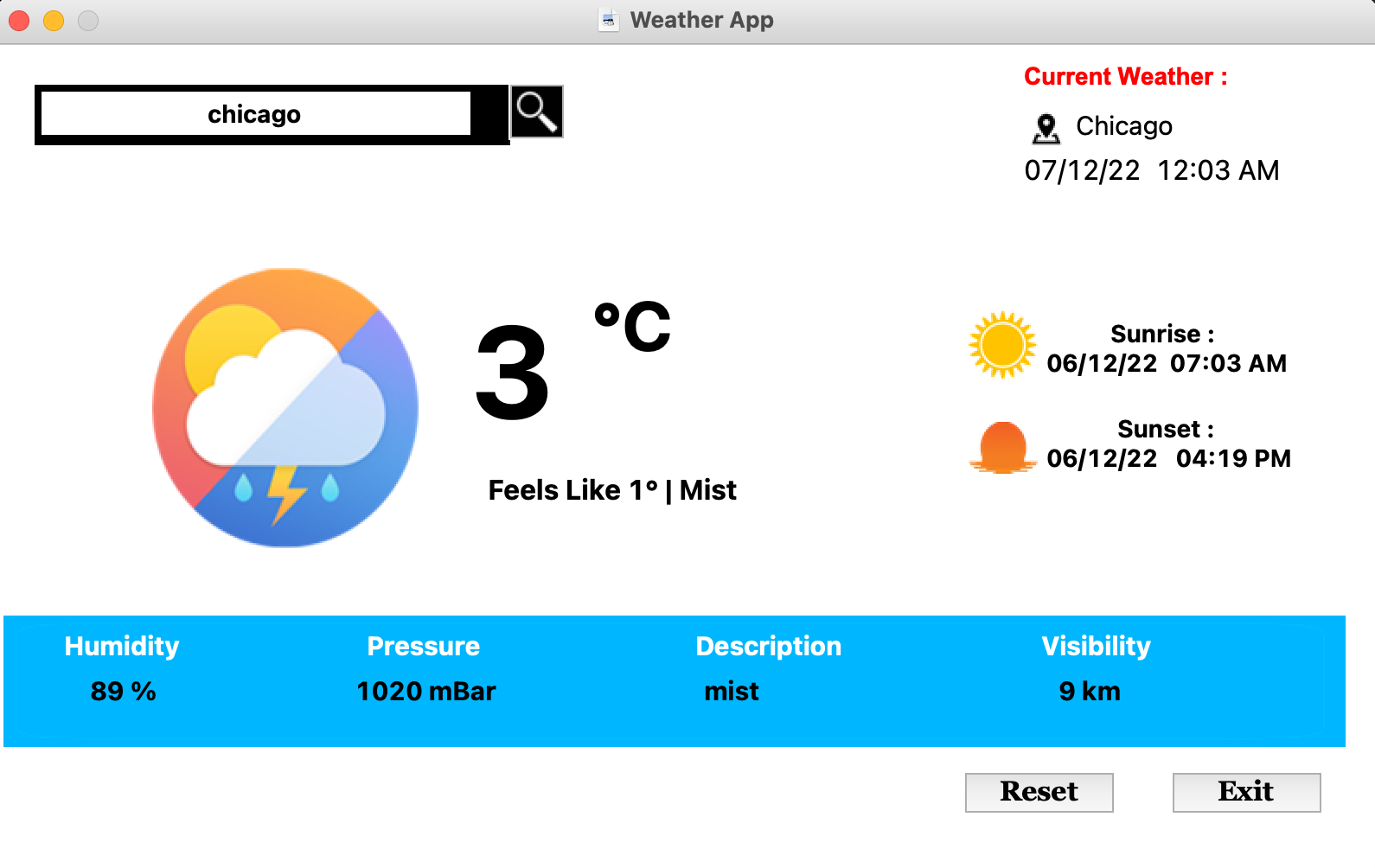
or

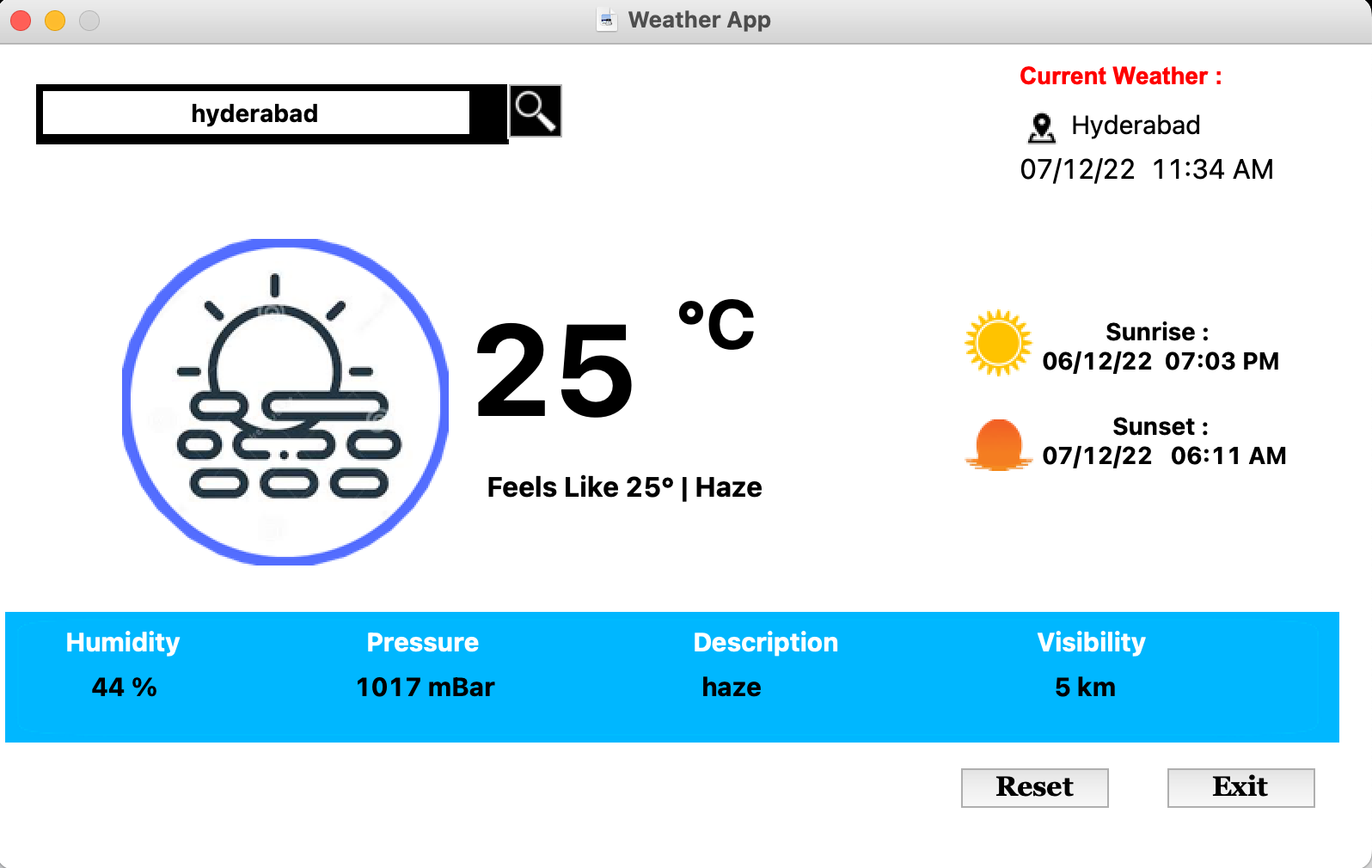
|  |
| --- |
| $ python app.py |

Conclusion :

The information that is displayed here is real time data and it doesn't require to be stored in any file or the DB. API ‘s are being used here to fetch this real time information from the server.

**Sample Outputs:**



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