

Weather Checking Application Documentation

Description:

The Weather Checking Application is a command-line tool that allows users to retrieve and display weather information for a specified city using the WeatherAPI. It also provides an option for auto-refreshing weather data at regular intervals.

Usage:

1. Setup:

- Install Python if not already installed. You can download Python from the official website: [[Python.org](https://python.org)].
- Clone or download the Weather Checking Application repository from [[GitHub](https://github.com)].

2. Installing Required Libraries:

- Navigate to the project directory in the command-line interface.
- Run the following command to install the required libraries:

```
pip install argparse  
pip install requests
```

3. Running the Application:

- Open the command-line interface.
- Navigate to the project directory containing the `weather_app.py` file.
- Run the following command to execute the application:

```
python weather_app.py -k YOUR_API_KEY -c CITY_NAME -r REFRESH_INTERVAL
```

- Replace `YOUR_API_KEY` with your WeatherAPI API key.
- Replace `CITY_NAME` with the name of the city for which you want to check the weather.
- Replace `REFRESH_INTERVAL` with the desired auto-refresh interval in seconds (optional, default is 15 seconds).

4. Auto-refresh Functionality:

- The application provides an option to automatically refresh weather data at regular intervals.
- Specify the refresh interval using the `-r` or `--refresh_interval` option when running the application.
- Weather data will be refreshed and displayed every specified interval.

Command-line Options:

- `-k` or `--api_key`: WeatherAPI API key (required).
- `-c` or `--city`: City name to check weather for (required).
- `-r` or `--refresh_interval`: Auto-refresh interval in seconds (optional, default is 15 seconds).

Example:

To check the weather for New York City with an auto-refresh interval of 30 seconds:

```
python weather_app.py -k YOUR_API_KEY -c New_York -r 30
```

Notes:

- Make sure to replace `YOUR_API_KEY` with your actual WeatherAPI API key.
- The city name should be provided in proper format (e.g., "New York" or "Los Angeles").
- The refresh interval must be specified in seconds and should be a positive integer.

Contributor:

- Sagar MS

Version:

1.0.0