Objective: Create a simple React Native application that fetches and displays weather information using a public API.

Requirements:

* Setup:
  + Initialize a new React Native project using either Expo or React Native CLI.
  + Ensure that the app runs successfully on an emulator or a physical device.
* UI Components:
  + Create a simple user interface with a text input and a button.
  + The text input will be used to enter a city name.
  + The button will be used to trigger the API call.
* API Integration:
  + Use the OpenWeatherMap API (or any other public weather API) to fetch weather data.
  + API Endpoint Example: https://api.openweathermap.org/data/2.5/weather?q={city\_name}&appid={API\_KEY}
  + API KEY: 455b229f09ae12e2c4dfbd2eec62ecf8
* Display Weather Data:
  + Display at least the following weather information on the screen:
    - City Name
    - Current Temperature
    - Weather Description
  + Ensure that the data updates on the UI after it is fetched from the API.
* Error Handling:
  + Implement basic error handling to manage issues like:
    - Invalid city names
    - Network errors
    - API request failures