

## [Documentation : Web-Based Weather App](#)

### **Overview :**

It is a small project to build a web based weather app which will be capable of geolocating your exact location and provide you with the most accurate Weather Information.

The primary target of this project will be to deal with temperature. Other attributes may be further added in future like humidity, precipitation, etc.

It will have the feel of a modern Weather app. It will be created using React as the primary framework and JavaScript as the main scripting language. This project will incorporate many new technologies and will focus on user interface and also user experience.

### **Technologies and concepts to be used :**

HTML

CSS

JavaScript

React

Rest APIs

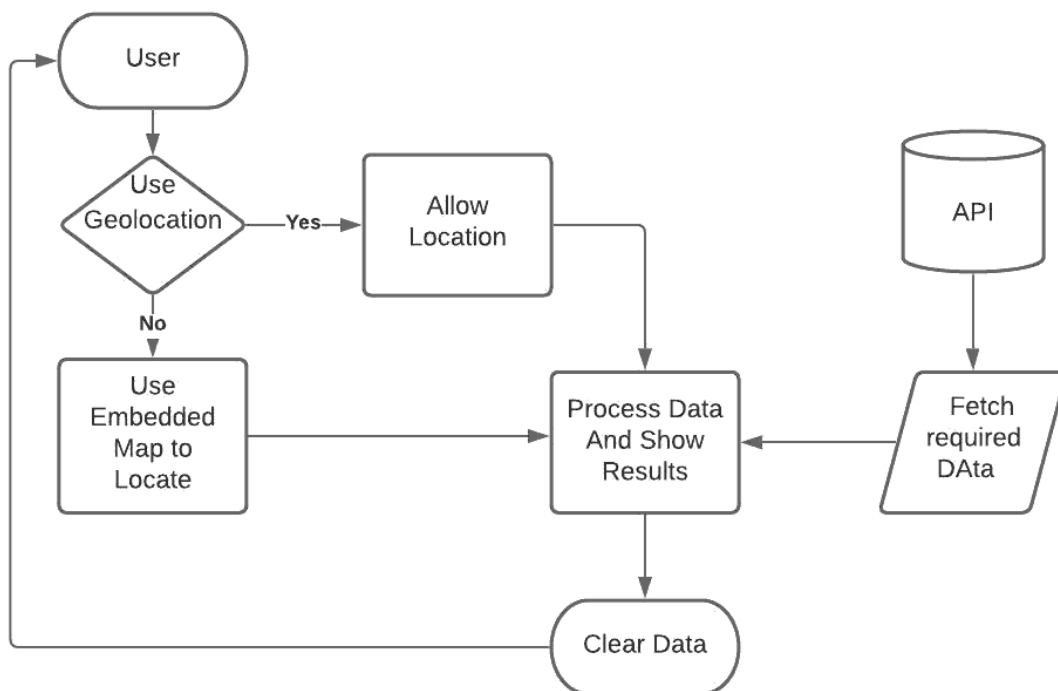
React Hooks

Props

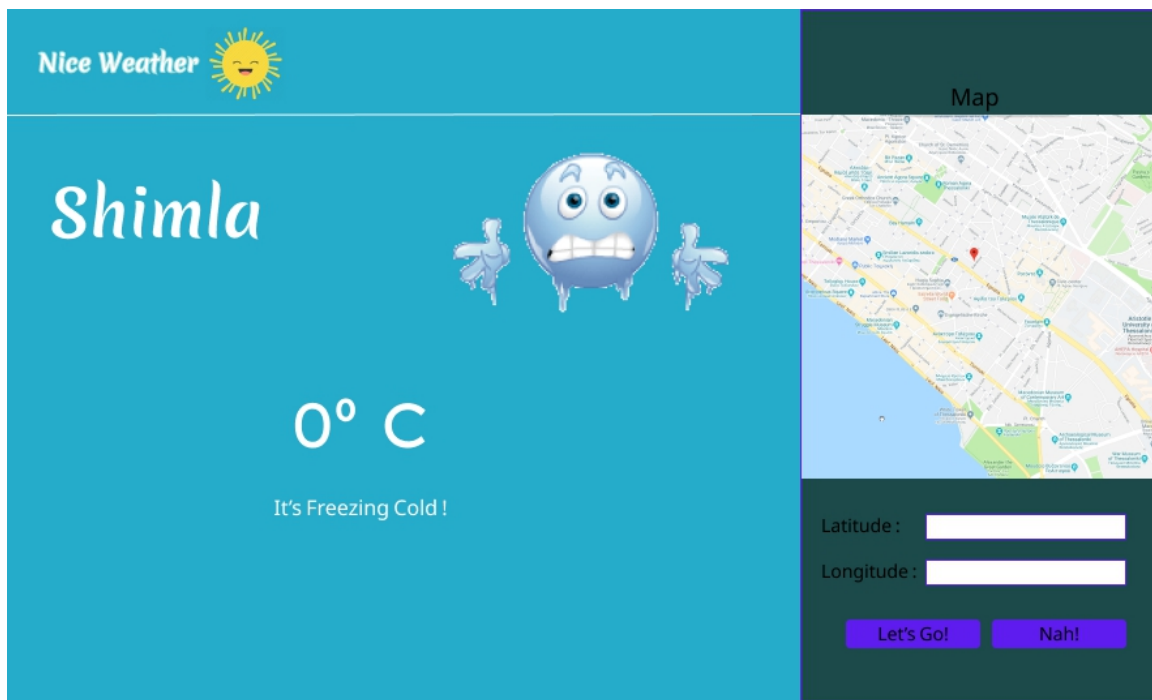
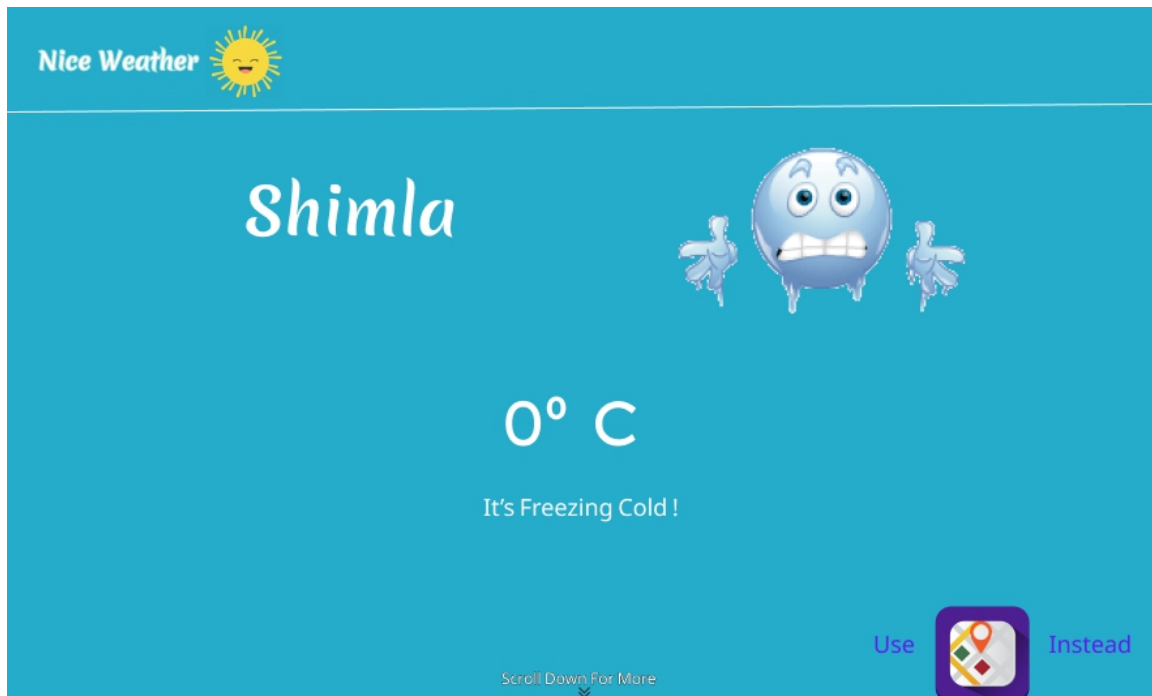
## Major functionalities of the app :

1. Geolocating your location.
2. Showing the real time weather of your location.
3. Map Support.
4. Getting weather details using Map.
5. Automatic temperature unit conversion according to user preference, etc.

## DataFlow Diagram of the project:



## Initial Application Design :



**Conclusion :**

A Weather app that feels good and works well, user friendly design with helpful functionality.

Have a look at live demo here :

<https://www.figma.com/proto/OdQ2bDkoydOQawMmHDvGmN/Weather?node-id=1%3A2&scaling=min-zoom>