# Objectives

Our project will have:

1. A Web Application

\*Home Screen

\*Blog Posts

\*Contact

1. A Mobile Application
2. Resources / API’s

* Geo-Tagging
* On board Google Maps(Google Maps API)

**Simplicity**

* Users can access the app without needing to register or log in to the system because monitoring the weather can be done with ease
* The capacity to find out details about weather patterns in any region, like any weather program does, would allow an individual / business a head start on daily activities in respected areas.
* There are a not much details that need to be implemented manually since the concept we propose is mostly automated

**Uploading pictures:**

User’s can upload pictures, which then can determine the weather around the area of the person who is uploading the image. This might help you and also other people who will be willing o reach your area. And strengthen the process of gathering data

**Ability to gather location report (Real Time)**

In the event people want to gather whether related information in different parts of the country they can simply mention the city or part of the country of their choice and get real time update of the whether in the form of a report

The implemented whether report will consist of

* 1. Air Quality Index measurement
  2. Tempreature measurement with predicted temperature reading measure

**Blog Posts**

further more the Blog Post section in the Web Page will open up users to articles published from a variety of sources .users could go through this section of the web page to get educated about the wheather situation and gather facts ,statistics and other information.

**Alerts and Notifications**

The main motive of this application is to provide reliable and resourceful information to the general public specially throught the Alerts / Notifications feature. people will get notified if and when a natural disaster is to occurs .the mode of which the notification is being delivered could vary depending on the severity of the disaster we plan on implementing a alert in style on a vibration(Similar to heptic vibration) depending on the status and how close the person is at the location the disaster .

**Future Implementations**

1.chat feature bot

In the future we aim to devolpe a chat bot feature where users can virtually interact ad get information with regards to important tasks such as contact information whether focast and natural disaster alerts and information

2 Posting blogs

Users in future will have the chance to post their own blogs related to whether reporting according to their choice and hoping to create a forum like atmosphere where people can exchange and share there info

Eg:- like commenting on a Blog Post

.

**application technologies with proper justification –**

Technologies

Front End

•Flutter using Dart

For the development of the Front End we are hoping to use Flutter as Flutter code runs on both Android and IOS and saves the hassel of trying to devolpe the application with Swift or Java separately

API’s

\* Google Maps API (enables Geo Tagging)

\* Other API’s

**Referances**

[**https://www.webiotic.com/api-for-mobile-apps/**](https://www.webiotic.com/api-for-mobile-apps/)