

UNIVERSITY PARTNER



UNIVERSITY OF  
WOLVERHAMPTON



HERALD  
COLLEGE  
KATHMANDU

## Internet Software Architecture (4CS017)

# Project Report Weather App Prototype 1

|               |                        |
|---------------|------------------------|
| Student Id    | : 2059572              |
| Student Name  | : Pritam Gurung        |
| Group         | : L4CG11               |
| Module Leader | : Mr. Deepson Shrestha |
| Tutor         | : Mr. Pravash Karki    |

Submitted on : 28-07-2022

## Contents

|  |   |
|--|---|
| Overview and Introduction of the Weather Application (Prototype 1) ..... | 1 |
| Advantage of the Application .....                                       | 1 |
| Disadvantage of the Application .....                                    | 1 |
| Things I have learned while developing the app.....                      | 1 |

# Overview and Introduction of the Weather Application (Prototype 1)

This application is made from the basic knowledge of HTML, CSS and JavaScript. The concept of API is the key to this application. This application uses its data from the OpenWeatherMap, a free to use API that provides the current weather from over the globe. Data used from this API are description, temperature, wind speed, wind direction, icon, and humidity. This application shows the current weather of Pokhara but you can also search mostly any city, country, district, and state around the globe in the search bar given to get the current weather of that place.

## Advantage of the Application

Since using this application you can get the current weather condition of the place you want to know about, you can predict the future outcome and be prepared for the upcoming weather condition. While using this application you can change your default location yourself by changing only one word in the JavaScript file. *In the text.js file go to line 78 and change pokhara to any city you desire and you are good to go.* Like this now anytime you open this application you will see the current weather condition of your place.

## Disadvantage of the Application

- a. The main disadvantage of this application is if you type the city name incorrectly it will not show any error to you and you yourself must see the reason for the delayed output.
- b. This application is not yet made for mobile devices or the smaller screen so the experience to use it in mobile devices is not quite good.

## Things I have learned while developing the app

- a. Basics of HTML, CSS and JavaScript
- b. Use of JavaScript in web development process
- c. HTML document manipulation using JS
- d. Use and definition of functions
- e. Setting event listeners for specific cases like button press and key press
- f. Learned the use of APIs, methods to call them, and handle their data