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Assignment Report

Open Weather API implementation using HTML, CSS and JAVA

# Abstract

The objective of this project was to develop a Weather Website. The purpose of implementing this application was to allow users to see and view the weather updates of a particular city.

# Introduction

OpenWeatherMap is an online service that provides weather data, including current weather data, forecasts, and historical data to the developers of web services and mobile applications.

# Key Features

* Tells your location on basis of your current location (Requires Location Permission).
* Shows Information of the current temperature in a current city with the minimum and maximum temperature.
* Shows forecast of 5 upcoming days with a brief weather information.
* Graph denoting minimum and maximum temperatures in the upcoming 5 days.
* Beautiful interface to keep Users engaged with the looks.
* City search to allow the user to search for information regarding any city.

# Code Snippets

Finding weather icon

A screenshot of a cell phone

Description automatically generated

Updating chart data

A close up of a screen

Description automatically generated

Acquiring Data from API

A screenshot of a computer

Description automatically generated

Parsing Data

A screenshot of a cell phone

Description automatically generated

Background Animator

A picture containing green

Description automatically generated

Chart JS

A screenshot of a cell phone

Description automatically generated

A screenshot of a cell phone

Description automatically generated

# 

Chart Data Creation

A screenshot of a cell phone

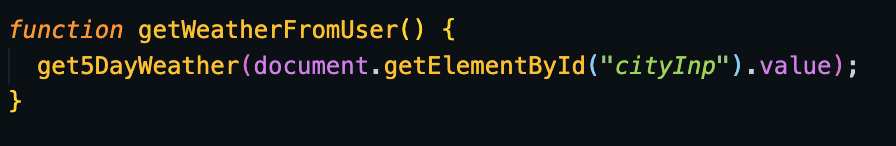
Description automatically generated

Location Access

A picture containing screenshot

Description automatically generated

Button Click



# Screenshots

# A screen shot of a smart phone Description automatically generated

A close up of a sign

Description automatically generated

A screen shot of a computer

Description automatically generated

A close up of a sign

Description automatically generated

A screen shot of a smart phone

Description automatically generated



# Conclusion

### OpenWeatherMaps provides amazing API’s which can be used to create useful apps without much effort. This demonstration shows you how easy is creating interactive applications which also provide information.