

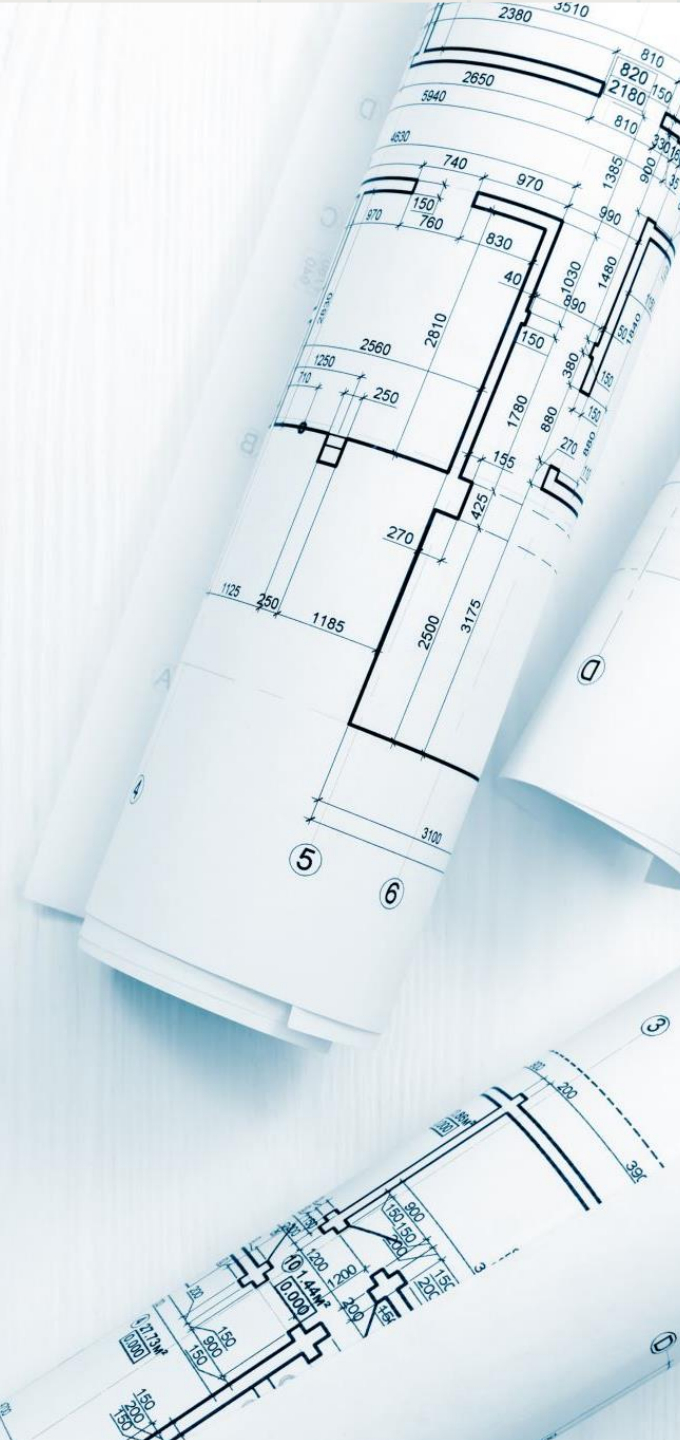
Weatherly



Apr 2, 2022

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Overview

- Weatherly is a web application that suits all your needs regarding the weather. It lets the user select a city and display the cities' weather while showing daily, hourly, and current forecasts, accurate to the minute. This information will range from the high and low temperatures, wind speed, visibility, and the weather. Aside from forecasts, the application can also serve as a way to consume your weather reports, as the homepage displays weather related news of the entered city from the previous weeks. All of this information can be accessed in a single click, simply by entering the city name to the field provided.



The Weather Network

Hint of summer or winter flashback? Canada's April 2022 forecast

April has a history of delivering both a hint of summerlike weather and high-impact snow and ice storms to Canada. Here's what you can...

13 hours ago



Narcity

Ontario's April Weather Forecast Was Just Revealed & More Snow Is On The Way This Week

Any hopes for an early summer-like warmth dominating April appear to have been dashed as Ontario's weather forecast continues to predict,...

12 hours ago



6

°C | °F

Precipitation: 92%
Humidity: 93%
Wind: 5 km/h

Vancouver, BC

Friday

Light rain

Temperature

Precipitation

Wind

6

6

6

7

9

11

1 a.m.

4 a.m.

7 a.m.

10 a.m.

1 p.m.

4 p.m.

Sat

Sun

Mon

Tue

Wed

Thu



12° 6°

10° 6°

8° 5°

11° 3°

13° 6°

13° 6°

APIs

- **1_ One call API:**
 - Makes a single API call to get current forecasts and historical weather data in a JSON format
- **2_News API:**
 - Searches for news in a specific time frame from multiple sources by using keywords and setting a
- **3_Geocoding API:**
 - Converts addresses represented by a string into geographic coordinates
- **4_Heroku API**
 - Allows us to deploy our application


High level features

Allows users to look up the forecasts of a specified city by entering the location into the text field provided

Displays minute, hourly, and daily forecasts when a valid city is entered

Displays weather related news from the day before and some from previous weeks

Current Weather




6.7°C 

Feels like 4.46°C , overcast clouds


Wind Speed: 3.09 km/h


Visibility: 10000 meters

Hourly Weather


9:00 pm  6.7°C	10:00 pm  6.7°C	11:00 pm  6.6°C
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Daily Weather

Tomorrow:

6.7°C

The Day After Tomorrow:

6.7°C

Yesterday




The Pandemic Has Made Island Life Even More Appealing

Plentiful air travel options, the rise of remote work and increased on-site amenities have transformed the island experience.

[Read More](#)

One Week Ago




Freezing rain warning issued for the Sault and area - SooToday


Freezing rain warning issued for the Sault and area - SooTodaySpecial weather alert issued for Toronto ahead of 'potent' freezing rain storm - blogTOFreezing rain expected in most of region - CBC.caCity declares weather e...

[Read more](#)

Two Weeks Ago



CI/CD Infrastructure

 Summary


Jobs

✓ Running Unit Tests (12.x)


✓ Running Unit Tests (14.x)

✓ Running Unit Tests (16.x)

Node.js
By GitHub Actions
Build and test a Node.js project with npm.



Configure

JavaScript 

Running Unit Tests (12.x)
succeeded 23 hours ago in 24s

> ✓ Set up job

> ✓ Run actions/checkout@v2

> ✓ Use Node.js 12.x

> ✓ Install

> ✓ Test

> ✓ Deploy to Heroku

> ✓ Post Use Node.js 12.x

> ✓ Post Run actions/checkout@v2


> ✓ Complete job



pages-build-deployment
on: dynamic


✓ build 20s

✓ deploy 8s
<https://ctan24.github.io/Group-4-Project/>



Deployment method


 **Heroku Git**
Use Heroku CLI



 **GitHub**
Connected 

 **Container Registry**
Use Heroku CLI

App connected to GitHub

Connected to  [ctan24/Group-4-Project](#) by  [ctan24](#)

 Releases in the [activity feed](#) link to GitHub to view commit diffs

 Automatically deploys from  **main**

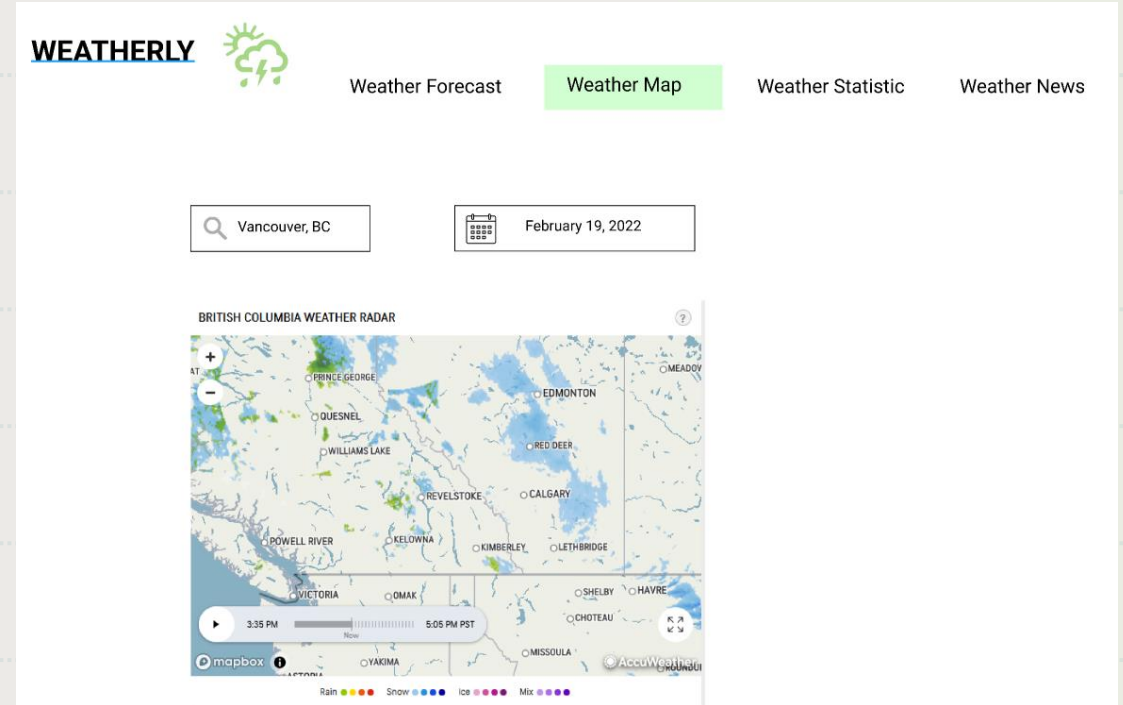
Challenges

Overpromised features

Choice of technology stack

Time constraints

Problem with the news API



News API

100 requests per day ?

No extra requests available ?

No uptime SLA

Basic support ?

Takeaway



**DEFINE SCOPE &
TECHNOLOGY STACK**



**SDLC: PROTOTYPING ->
AGILE**

Demo





Thank you