Dream Weather

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The Base

- Started with a basic weather app (basic UI)
- Added features that user's would want to see
 - Location Search
 - More Weather Info
 - Emergency Alerts/Alarms
 - Weather Interpretations
 - Location on mobile
 - Five-day-forecast
 - Dark/Light Mode

Lul Feature 1: Location Search

Users can enter location by city or country and get weather data

 If the query is error/empty to be a location then an error message is shown to notify the user that it did not work and they should try another query.

If the query is success then the weather data is fetched and the UI will be updated with new data. User will also be notified that the query was a success.



Lul feature 2: More Weather Info

 People that love weather data can click on a button and look at every single weather information that the API returns.

More Weather Data	
For the aficionados we build @	
Weather Attribute	Weather Data
Lon	-0.1257
Lat	51.5085
Lon	-0.1257
Temp	2.33°K
Min_Temp	-0.13°K
Max_Temp	4.71°K
Pressure	1016pha
Humidity	90
Sea Level	null
Ground Level	null
visibility	10000
Wind Speed	1.03m/s
Clouds	28
Country	GB

Bryce Feature 1 - Emergency Weather Alerts

- Alerts user of weather emergency
 - Temperatures > 100F or < 5F
 - Visibility < 100 m
 - Wind Speeds > 100 mph



Q Enter City Name

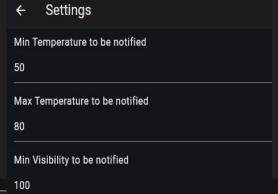


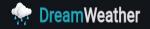




Bryce Feature 2 - Weather Alarms

- User set parameters
- Alerts if the weather meets these conditions





Q Enter City Name

Max Wind Speed to be notified

10

Change Temperature Value

Farenheight •

Dark Mode?

true 🔻

Andrey Feature 1 - Weather Interpretation

 When the user gives the app permission to access their desired location, the Weather Interpretation widget displays a weather description in plain English, giving the user a quick idea of what to wear for the weather at the given time.



Andrey Feature 2 - Get Location Access on Android

 When the user launches the WeatherApp, a prompt is given for the user to allow their current location to display the weather for that

location.

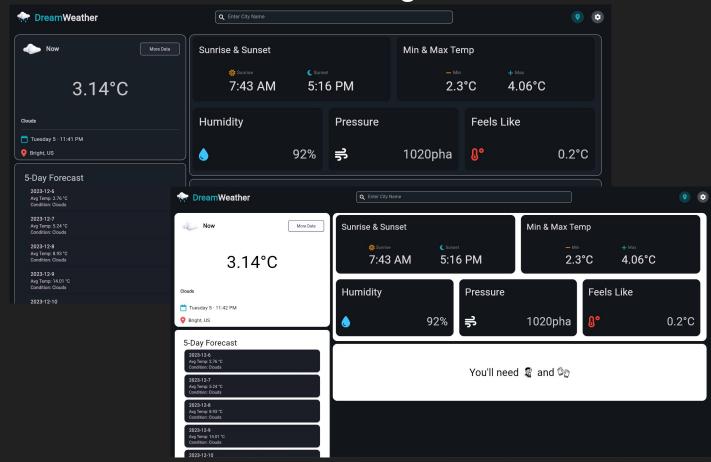


Seth Feature 1 - Five Day Weather Forecast

Shows weather forecast 5-days-out



Seth Feature 2 - Dark/Light Mode





Test Coverage

• 23 Unit Tests

 1 Regression Test, 6 Acceptance Tests, 2 Integration Tests

92% Test Coverage

LoC

Initial Lines of Code: 397

Final Lines of Code: 3,329

Lessons We Learned

- Learned how to build responsive Flutter app
- Learned how to manage state in multiple pages from a single source of truth
- Learned how to make a Production Value Flutter App
- Start Early