



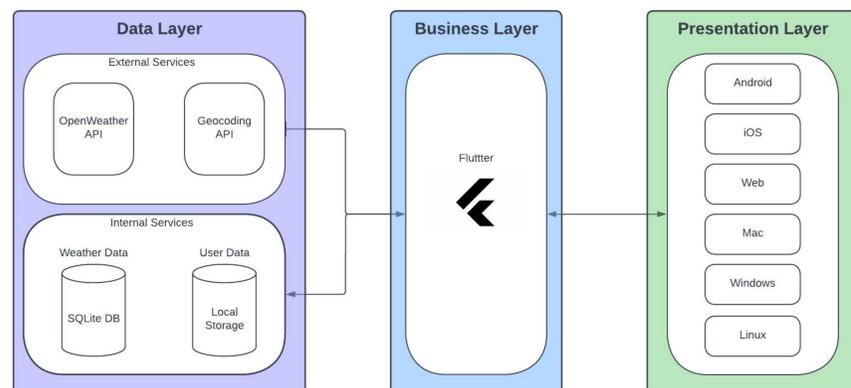
## What is CaliWeather?

CaliWeather is a mobile weather application that provides a tailored meteorological experience for its users. It builds upon the standard features often seen in other weather applications by factoring in the effects of climate change, and catering to enthusiasts with insightful analytical tools.

## Features

- Displays current weather information including an 8-day forecast
- Contains radar imaging data with playback in 30 min increments up to the previous 2 hours
- Modular line graphs for temperature, humidity, rain, snow, humidity, and pressure
- Provides localized alerts for extreme weather conditions
- Has the ability to create and update user accounts
- An assortment of custom settings and notifications

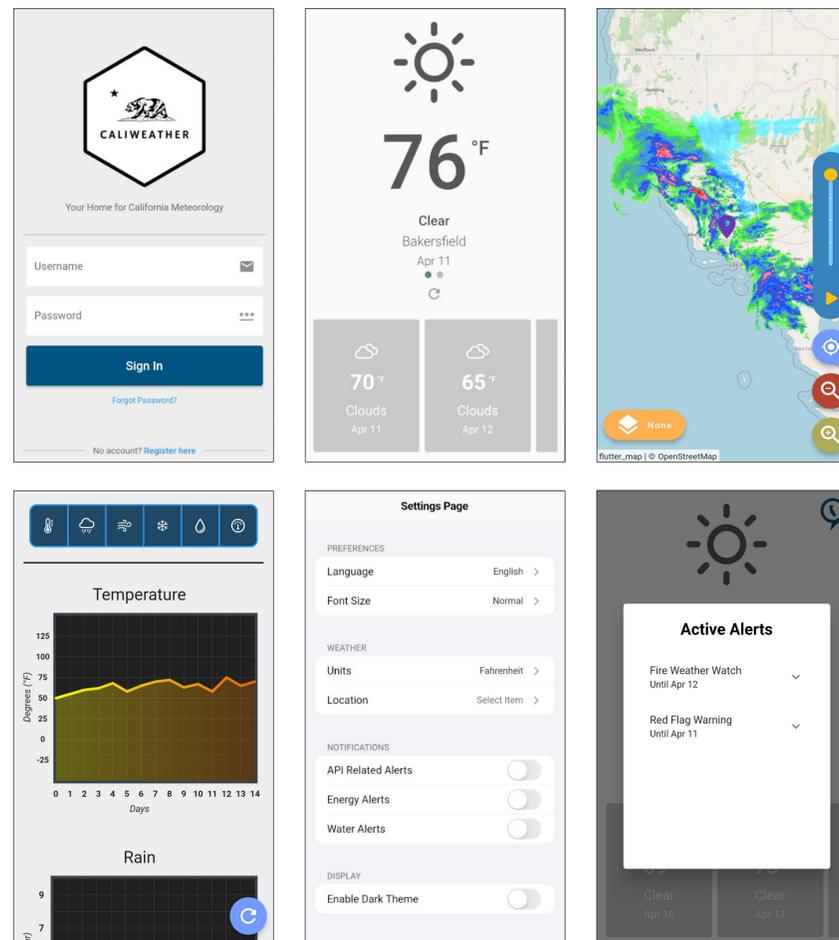
## System Architecture



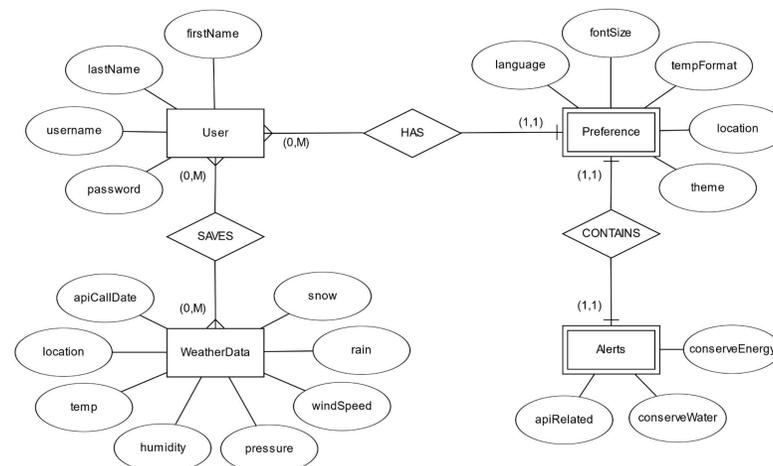
## Resources



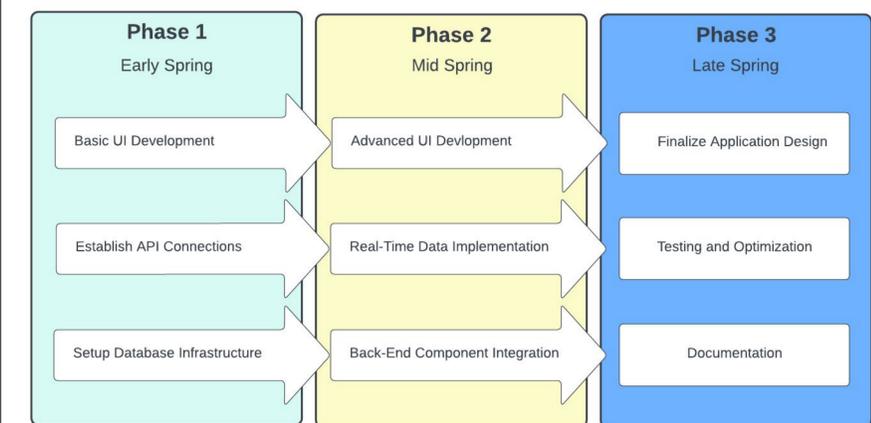
## Application Pages



## ER Diagram



## Timeline



## Challenges

- Dart, the programming language used to design this app, took a considerable amount of time and practice for the team to fully comprehend, since it is known to have a steep learning curve.
- There were some difficulties regarding the integration of various plugins and packages that were either outdated or didn't operate as expected. However, these issues were surmounted after some additional research.
- Coordination between frontend and backend teams could have been more clearly defined. Certain group members took on extra tasks due to knowledge gaps and the lack of reinforcing expectations.

## Conclusion

After a tenacious group effort, our project has essentially become the culmination of several progressive concepts that exceeds the bounds of our original vision, and delivers a convenient and perceptive weather application that anyone can use. With the appropriate resources, CaliWeather has the potential to expand upon its initial scope by enveloping the whole country and maybe even the world.