



# Weather.com



## Introduction

Unpredictable weather conditions complicate daily planning. Despite the numerous weather apps out there, many fail to offer accurate real-time data and an easy-to-use interface. Our weather app addresses these issues by providing up-to-date data and interactive visualizations on a map, or improving accuracy and usability by offering real-time alerts and notifications for better preparedness.

## Goal

We seek to integrate advanced knowledge through the development of the weather application. The expected is an interactive application that offers real-time weather data, weather alert notifications, and an intuitive and enjoyable user experience.

## Proposed solution

Weather.com combines real-time data aggregation, interactive visualizations and alert notifications to provide users with a comprehensive weather monitoring experience.



The application uses data from several reliable meteorological sources and integrates them into an easy-to-use interface focused on accuracy and usability.

## Results

In developing the climate application, extensive unit and end-to-end testing was carried out to ensure its quality and optimal performance. Among these tests, 10 tests dedicated to user registration stand out, which showed a notable pass rate of 90\%.

Additionally, 10 additional tests were carried out to evaluate the login process, also obtaining a 90\% approval rate. In addition, 20 specific tests were carried out to evaluate the visualization of climate data, with a passing rate of 75\%. These results reflect the development team's commitment to excellence in the implementation of the application, ensuring a reliable and satisfactory experience for users.

## Conclusion

The objective of not only designing a weather application but also creating a great user experience environment, through backend, frontend and database tools, this objective was met and the great importance of technological tools in daily life was demonstrated.

## Bibliography

- [1] Poster X-Meeting 2013. Poster X-Meeting 2013.pdf. EngAndres. (Visited on 06/10/2024).
- [2] Poster X-Meeting 2014. Poster X-Meeting 2014.pdf. EngAndres. (Visited on 06/10/2024).