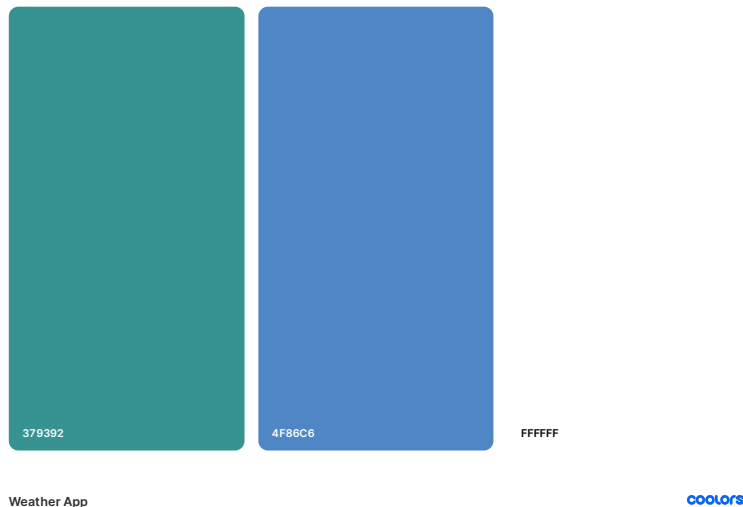


Overview:

- What is the problem we are trying to solve?
 - People often need to check weather conditions for various reasons such as planning outdoor activities, travel, or daily routines. However, accessing accurate and up-to-date weather information can sometimes be inconvenient or complex.
- Why are we doing this?
 - The purpose of this app is to develop a user-friendly weather application that provides users with current weather conditions, hourly forecasts, and sunrise/sunset times for any desired city. By offering a simple and intuitive interface, users can quickly access the weather information they need.
- Who is the audience?
 - The target audience for this application includes individuals who require weather updates for personal, recreational, or professional purposes. This could range from everyday users planning their day to outdoor enthusiasts, travelers, and professionals in sectors like agriculture, transportation, or event planning.
- Major functions of the application:
 - City Search: Users can input the name of a city to retrieve weather information.
 - Current Weather Display: Display the current temperature, weather description and corresponding weather icon for the selected city.
 - Hourly forecast: Provide and hourly forecast for the next 24 hours, including temperature and weather icons.
 - Sunrise/Sunset Times: Show the sunrise and sunset times for the selected city.
 - Error Handling: Notify users if there are any errors in fetching weather data, such as invalid city names or network issues.
- Wireframes
 - Mobile
 - Attached as a separate file.
 - Desktop
 - Attached as a separate file.
- Data Sources
 - External API: Utilizing the OpenWeatherMap API to retrieve current weather, hourly forecast and sunrise/sunset data for a specified city.
 - Local JSON File: Cache frequently accessed data for greater performance.
- Initial Module List:
 - User interface components (HTML/CSS)
 - Weather Data Retrieval (JavaScript)
 - Error Handling Module
 - Display Modules for Current Weather, Hourly Forecast and Sunrise/Sunset Times.

Colors/Typography

- <https://coolors.co/379392-4f86c6-ffffff>
-



- Body Font: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif
- Element Styling:
 - Clean and minimalist design.
 - Clear and intuitive layout for ease of use.
- Conclusion:
 - This web application aims to check weather conditions for various reasons such as planning outdoor activities, travel, or daily routines. However, accessing accurate and up-to-date weather information can sometimes be inconvenient or complex. The combination of dynamic functionality, clean design will ensure a seamless and enjoyable user experience.
- Link to Trello board
 - <https://trello.com/b/79GvMWNI/cardetailsconnect>
- Work schedule:

Week	Mon	Tue	Wed	Thu	Fri	Sat
05	HTML	CSS	JavaScript	Functions	Methods	Update Trello
06	Finalize Update Trello	Test Update Trello	Turn in final project	Rework if needed		
07						

February 6, 2024

WDD330 Final Project Proposal – Weather Application