

SMART WEATHER (Without Jira)

PERSONAS

Name: Chris

Role: Senior Marketing Executive

Goals: Chris needs weather insights to plan marketing campaigns effectively. He wants to understand how weather affects consumer behavior regarding the consumption of hot or cold beverages.

Typical System Usage: Accessing the portal to view weather forecasts, particularly focusing on temperature and precipitation data in various locations.

Preferences: Chris values accuracy and timeliness in weather data. She prefers customizable alerts for severe weather conditions and the ability to access historical weather trends for analysis.

Name: Johana

Role: Event Manager

Goals: Johana organizes outdoor events and needs weather forecasts to plan logistics and ensure the success of these events. She wants to estimate the number of attendees based on weather conditions

Typical System Usage: Utilizing the portal to check weather forecasts for specific locations during event planning phases.

Preferences: Johana requires precise and detailed information on wind speed, precipitation, and temperature changes. She appreciates customizable notifications for sudden weather changes that might affect the event.

Name: Dr. Singh

Role: Public Health Committees

Goals: Dr. Singh aims to anticipate and manage health concerns related to weather, such as predicting the spread of seasonal illnesses like the flu. She needs weather data to forecast potential health crises and prepare medical resources accordingly.

Typical System Usage: Accessing the portal to analyze historical weather data and forecasts in specific regions.

Preferences: Dr. Singh requires access to long-term weather forecasts to plan healthcare strategies for communities

EPICS AND USER STORIES

User Registration and Authentication

User Stories

- As a new user, I want to register easily with minimal information required.
- As a registered user, I want a secure login process with options for multi-factor authentication.
- As a user, I want the option to reset my password securely in case I forget it.

Weather Data Aggregation

User stories

- As a user, I want access to a data comparison feature to analyze differences between weather forecasts from various providers.
- As a user, I want the capability to export historical weather data in different formats for further analysis.
- As a user, I want real-time weather data from various reliable sources aggregated into a single platform.

Forecast Display and Customization

User Stories

- As a user, I want to view current weather conditions and forecasts for multiple locations.
- As a user, I want to receive weather alerts through multiple communication channels.
- As a user, I want to set preferences for the specific weather parameters I want to track.

Application Development (iOS and Android)

User Stories

- As a mobile user, I want seamless synchronization between the web portal and the mobile app for my saved locations and preferences.
- As a mobile user, I want a user-friendly interface with features consistent with the web portal.
- As a mobile user, I want the option to personalize the app interface based on my usage habits.

API Development for Client Apps

User Stories

- As a developer, I want access to comprehensive documentation that includes code samples and tutorials for easy API integration.
- As a developer, I want to receive timely notifications or updates regarding changes in API endpoints or functionalities.
- As a developer, I want well-documented APIs to integrate weather data into third-party applications.

MINIMUM VIABLE PRODUCT (MVP)

- User Registration and Authentication
- Basic Weather Data Display
- Severe Weather Advisory System
- Attractive Web Portal Design
- API Services for Client Apps

SCALING MODEL

Agile Methodology

Implementing Agile practices like Scrum or Kanban to ensure efficient collaboration and iterative development.

Cross-Functional Teams

Teams specializing in core development, interface integration, app development and maintenance/support.

Resources Allocation

Allocating resources as per the priority of tasks and customer needs to balance development across different areas without bottlenecks.

Teams can work in parallel, focusing on different aspects of the product, ensuring scalability, and efficient handling of the project's multiple dimensions. Regular communication and collaboration among these teams are pivotal for successful product delivery and expansion.