

# **WeatherSimple**

## Requirements & Stakeholders

# WeatherSimple

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# **1. Introduction**

Weather conditions can change drastically, affecting the safety of one's travel and greatly affecting how one's day is planned. Having access to weather information is vital. With weather data that is provided using OpenWeatherAPI. WeatherSimple can provide live and accurate updates on weather on various cities. Weather Simple aims to bring simplicity and reliability too information about the current weather conditions, upcoming forecast, and conditions. Weather Simple allows users to plan their days and weeks with vital weather information. WeatherSimple gives a modern, modular approach to a weather application. WeatherSimple's main goal is to provide a seamless weather viewing platform across all devices, while giving a pleasant viewing experience.

## **2. Product Vision and Scope**

### **A. Vision Statement**

WeatherSimple will provide current and upcoming weather data, including overcast condition, temperature, percentage of precipitation and other mirror condition data.

### **B. Scope**

The final deliverable will include a functioning weather app that can function on any web capable device. WeatherSimple will have the ability to scale to any screen size, and allow users to pick between dark mode and light mode.

### **3. Stakeholders**

Management – The board of directors of WeatherSimple, control the investments within the scope of the company itself.

Developers - The three members of the WeatherSimple Development team is composed of the 3 software engineers, responsible for both developing the and maintaining it.

Marketers – The WeatherSimple marketing team will market the tool through ads as well as ads space within WeatherSimple

End User – Customers with access to a web capable device using WeatherSimple.

Facilitator – Team of 3 senior software engineers, focused on the development of the project

### **4. Assumptions and Constraints**

#### **A. Assumptions**

- User has access to a JavaScript based browser
- User has stable online access
- User is located in a service area

#### **B. Constraints**

- WeatherSimple has weather data of the End User's specific region within a larger range such as the user's city rather than the user's exact location
- API has a downtime for maintenance

### **5. User Stories**

### Straightforward Plan

#### Narrative:

As a Facilitator

I want a straightforward plan with inputs/outputs of an application laid out  
So that it is easy for the Software Developers to actually build the software product.

Acceptance Criteria: (presented as Scenarios)

#### Scenario 1: Software Building

Given a proper plan for the program

And requirements/inputs/outputs stated

When it is time to actually build the program

Then the Software Developers will have a significantly easier time building the program And will save lots of time.

### Responsive Website

#### Narrative:

As an end user

I want flexibility on the devices I can access the website  
So that any user can access the website without interference

Acceptance Criteria: (presented as Scenarios)

#### Scenario 1: Larger Screens

Given a larger monitor

And asked to use the WeatherSimple

When the website is opened, the website works perfectly with the larger screen taking advantage of the larger resolution

Then the website is scaled normally

And taking advantage of the large screen

#### Scenario 2: Smaller Screens

Given a larger monitor

And asked to use the WeatherSimple

When the website is opened, the website works perfectly with the smaller screen taking advantage of the smaller resolution

Then the website is scaled normally

And taking advantage of the small screen

### Collaboration Environment

#### Narrative:

As a Software Developer

I want an environment in which I can collaborate with my software developer team So that the team can efficiently complete developing tasks.

Acceptance Criteria:

Scenario 1: Live Share

Given a development task

And to create a solution for that task

When development task is being completed the developer must have the Live Share plugin enabled

Then other developers can access and live edit the code

And assist the developer in creating solutions to task that one developer might be stronger in.

Scenario 2: Code Review

Given a development task is completed by a developer.

And has been sent to another developer. When

another developer must review the code Then

the code is able to be reviewed.

Cost Effective API

Narrative:

As a member of the management staff

I want an API that is cost effective

So that the company can save money during product life of this website

Acceptance Criteria: (presented as Scenarios)

Scenario 1: API Selection

Given the choice to select the API to use for the project

And that the API satisfies all technical requirements

When the website has a free number of calls per month

Then the API will be found to be cost effective

Effortless Design Narrative:

As a member of the marketing team

I want the WeatherSimple website to have a dark mode or some form of a dark mode

So that we can advertise this feature as one of the key features to our competitors

Acceptance Criteria: (presented as Scenarios)

Scenario 1: Dark Mode

Given the WeatherSimple interface

And the functions and other aspects of the website

When asked to switch to dark mode, or anything of that capacity

Then the WeatherSimple website will produce a dark mode

And a quiet, undemanding design of colours

Feature Expansion

Narrative:

As a Software Developer

I want the ability to expand WeatherSimple's features  
So that more users are attracted to the site

Acceptance Criteria:

Scenario 1: Weather Alerts

Given alerts for weather can be sent out

And the user email is provided

When weather conditions change

Then an email alert will be sent tot the user

Ad Space

Narrative:

As a member of the marketing team

I want WeatherSimple to have a variety of ad space

So that the company can drive sales to other items

Acceptance Criteria: (presented as Scenarios)

Scenario 1: Popup

Given a need for a variety of ads

And a variety

When the user enters the site

Then there will be a popup of any ad needed

And will lead to another product, or another company product

Scenario 2: Ad Space on the Sides

Given a need for a variety of ads

And a variety

When the user begins using the website

Then there will ads of any ad needed on the side to be continuous forms of ad space

And will lead to another product, or another company product

## 6. Jam Board Screenshots

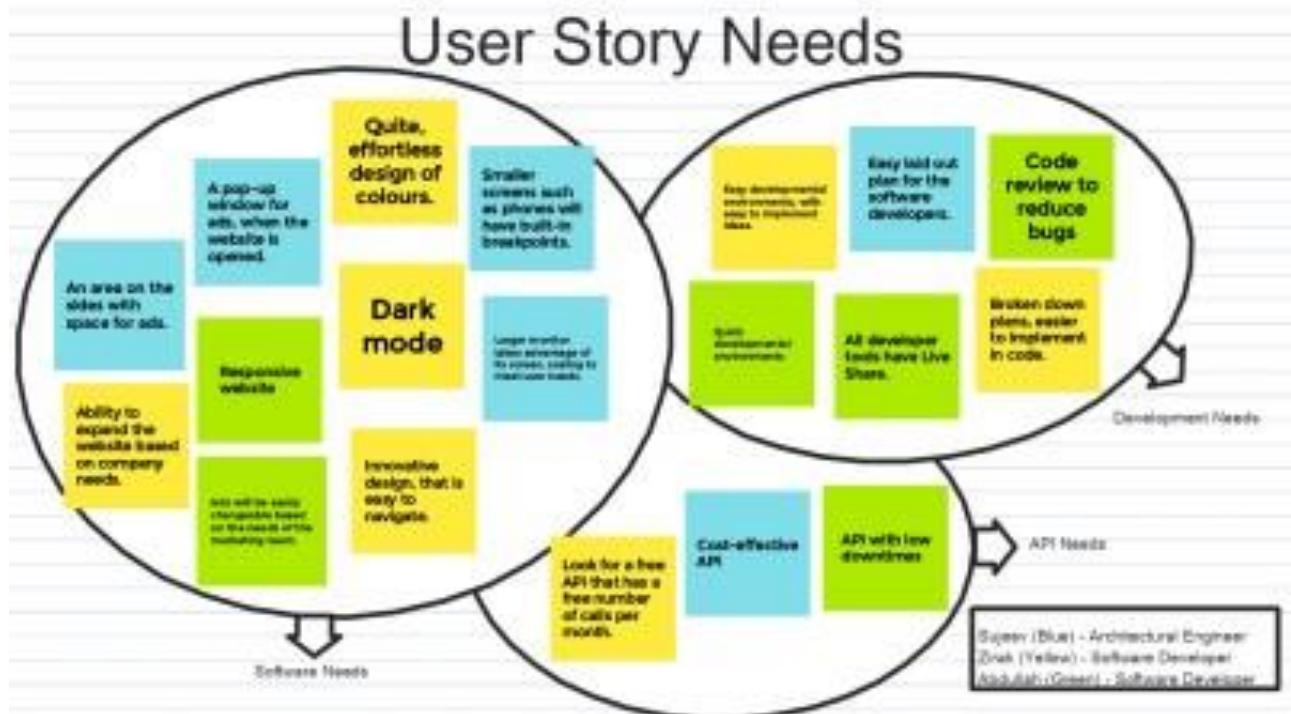


Figure 1 User Story Needs Jam Board



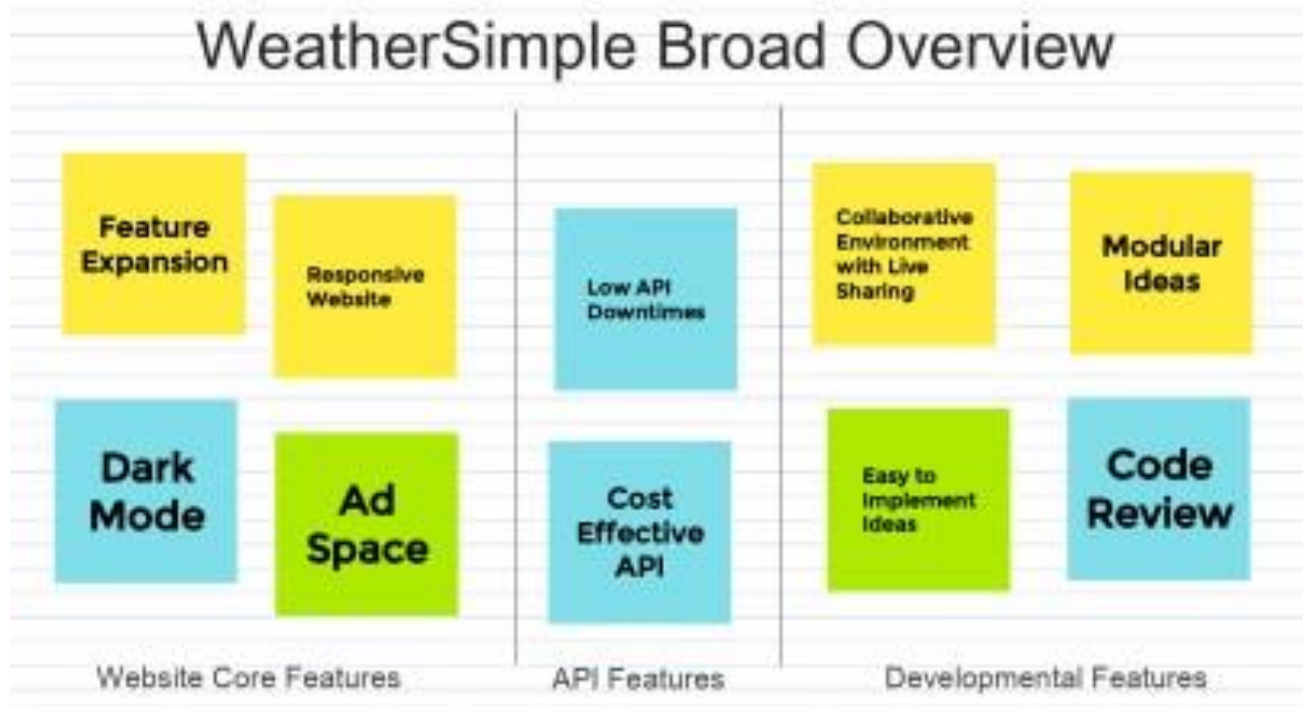
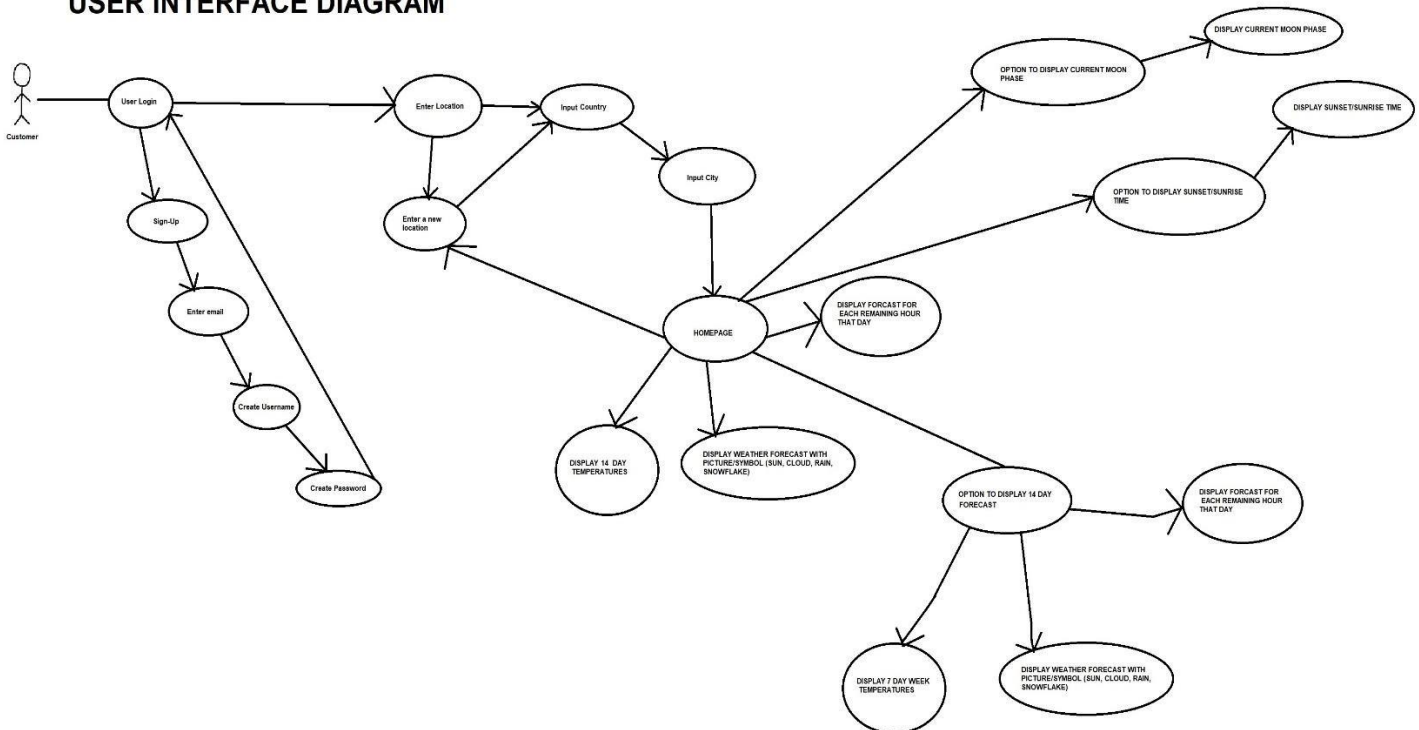


Figure 2 WeatherSimple Broad Overview

## 7. User Interface Diagram

### USER INTERFACE DIAGRAM



*Figure 3 User Interface Diagram*