

Software Requirements Specification

1. Introduction

1.1. Purpose

This SRS describes the functional and nonfunctional requirements for a Weather Tracking app. This document will highlight the users of the system, their purpose within the system, and their available functionality.

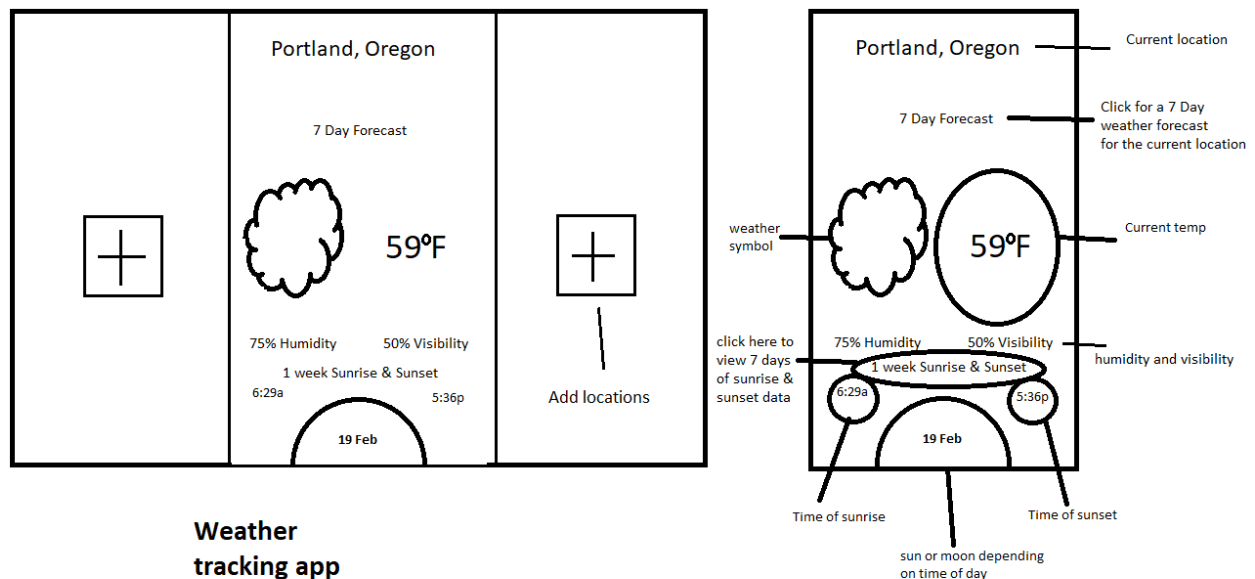
1.3. Project Scope

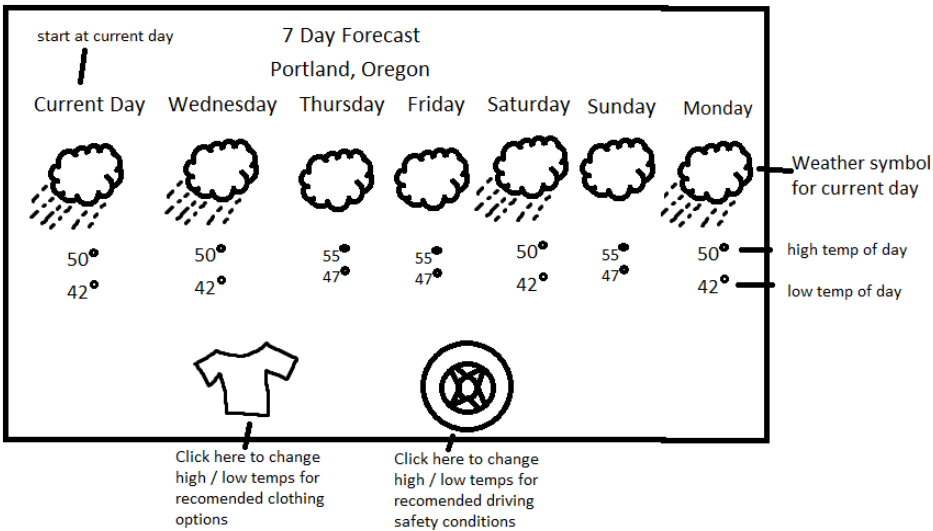
The weather tracking app will allow users to track the weather from multiple locations. This includes: weather predictions, sunrise and sunset, humidity and visibility.

2. Overall Description

2.1. Product Perspective

The weather tracking app will be used to track the weather. It gives the user a hub for viewing the forecast in their most significant locations. The diagrams below illustrate.





2.2 User Classes and Characteristics

User Class	Description
App User	App user will utilize all of the main functionality of the program. This includes: viewing the weather, adding and removing locations. viewing the 7 day forecast, viewing sunrise and sundown, and clothing recommendations
App Manager	The App Manager will be able to write daily clothing recommendations, messages based on the weather, and a summary of the weeks weather outlook

3. System Features

3.1. Add Location

3.1.1. Description

The App User can add as many locations to their weather app locally, as long as the location is valid and exists in real life.

3.1.2. Functional Requirements

Location.add	Add Location to weather app
.valid	the Membership Manager confirms that the Customer is a member of the library.
.no	If the requested location is not valid, the user will be informed that the input location does not exist and can input a different location, if desired.
.added	If the location is already added, the user will be informed and no changes will be made.
.no	the location will be added to the user's list of locations.

3.2 Clothing Recommendation

3.2.1 Description

The App manager will suggest clothing to the App User based on the days current and upcoming weather conditions.

3.2.2 Functional Requirements

Clothing.add	Add a clothing recommendation based on weather
hot	If it is hot outside, the App Manager will be required to select light clothing
.cloudy	Nothing changes if it is cloudy outside
.no	If it is not cloudy outside, the App Manager will recommend wearing clothing that protects against the sun.
cold	if it is cold outside

.raining

if it is raining, the App Manager will suggest the user brings an umbrella or grabs protection for their head (beanie, etc.)
