

Software Requirements Specification   
for the Development of

**Date:**

**Ref #**:

**Author:**

**Customer:**

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**Document Approval**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Company** | **Position** | **Signature** | **Date** |
|  | **InSIST Global**  (Service Provider) |  |  |  |
|  |  |  |  |  |

# Introduction

This document should be used after a client has confirmed interest in purchasing an InSIST software Package. Use this document to collect all requirements (including customizations). It will gauge the level of work to be conducted and its content will be used for contract signing

## References

*List any documents, site or individuals to which this SRS refers (such as contracts and PID). Provide enough information so that the reader could access a copy of each reference, including title, description and document reference number.*

|  |  |  |
| --- | --- | --- |
| **Name/Title** | **Description** | **Ref. #** |
|  |  |  |
|  |  |  |

## Product Scope

Provide a short description of the software to be deployed; its purpose, the problem being addressed, and relevant client benefits.

**Name of Solution :muhammed-weather-app**

**Product Description: A weather app that displays the weather inofmation and weather forecast**

|  |
| --- |
| **Why do they need the system?** |
| For user to stay informed about current weather conditions, forecasts, and alerts, helping them plan their daily activities, make travel decisions, and stay prepared for changing weather events. |
| **What are the current process constraints/limitations they would want to change?** |
| * Accuracy: Users may seek more accurate and reliable weather data * Real-Time Updates: Users often desire real-time weather updates to make immediate decisions. * User Experience: Improvements in the app's user interface, navigation, and accessibility can enhance the overall experience. * Data Presentation: Users might prefer better data visualization and explanations to understand complex weather information. * Environmental and Air Quality Information: Users may seek information on air quality, pollen levels, UV index, and other environmental factors. |
| **Intended users and how many?** |
| * General Public: Anyone looking for daily weather updates and forecasts for their location. * Travelers: Tourists and business travelers who need weather information for trip planning. * Outdoor Enthusiasts: Hikers, campers, and sports enthusiasts who require weather details for outdoor activities. * Pilots and Mariners: Aviation and maritime professionals who rely on accurate weather data for safe operations. * Farmers: Agricultural workers who use weather forecasts for planting, harvesting, and crop management. * Event Planners: Organizers of outdoor events who need to anticipate weather conditions. * Construction Industry: Construction companies that factor in weather conditions for project scheduling. * Researchers: Scientists and researchers studying climate, environment, and weather patterns. * Air Quality Concerned Individuals: Those interested in air quality and pollution levels for health reasons. |
| **What do they intend to achieve from the system?** |
| This App is designed to make everyone's life easier by providing instant access to crucial weather information. It empowers users to plan their daily routines, ensuring they are adequately prepared for any weather event. From staying safe during storms to making well-informed travel and outdoor activity decisions, the app enhances convenience and safety. |
| **Can the solution solve the clients issues? (this is for internal use)** |
| Yes it can. |
| **Actions needed to improve system to meet clients goal (this is for internal use)** |
|  |

# Overall Description

## Product Functions

Provide a high level summary list on the major functions of the software to identify the groups of related requirements.

## User Classes and Characteristics

This section shows the expected system users and their characteristics

|  |  |
| --- | --- |
| **User Classification[[1]](#footnote-2): \_\_\_Tour Guide\_\_\_\_ (e.g ClerkBartender)**  **User Description:** | |
| **User attribute** | **Description** |
| Current constraints | Tour guides rely on precise weather information to plan outdoor activities, and any inaccuracies can disrupt schedules and disappoint clients.  Safety: Tour guides are responsible for the safety of their clients. They need weather apps that provide timely alerts for any severe weather conditions. |
| User Expectation | * Users expect precise and up-to-date weather information, ensuring they can rely on the app for their plans. * The app should have an intuitive interface, making it easy for users to access and interpret weather data. |
| IT experience level | Intermediate |
| Frequency of System use | Week days |
| Mandatory to use system? | Yes |
| Number of users in class | Unlimited |
| Training required / received | No |
| Regular user tasks | Check weather data and Air Conditions |
| **User Classification: Taxi driver**  **User Description:** | |
| Current constraints | * Safety: Driving in rough conditions * Protects user |
| User Expectation | * Users expect precise and up-to-date weather information, to help with the picking up for clients. * The app should have an intuitive interface, making it easy for users to access and interpret weather data. |
| IT experience level | Beginner |
| Frequency of System use | Weekdays |
| Mandatory to use system? | Yes |
| Number of users in class | 1 |
| Training required / received | No |
| Regular user tasks | Check weather data and Air Conditions |

## Current Client Status

|  |
| --- |
| **1. Main work-flow currently in use by the customer to perform the software tasks** |
| Look at the sky |
| **2. Are the Staff willing to use a software solution? (Yes/No)\** |
| Yes |
| **3. Do you have the infrastructure needed to adopt a new system (i.e computers and wifi)? (Yes/No)** |
| Yes |

## Operating Environment

Describe the environment in which the software should operate (the hardware platform, operating system/browser, hosting option).

## Design and Implementation Constraints

Describe any issues that will limit the options available to the developers such as interfaces to other applications, language requirements, deployment options or any assumed factors

# 3 System Features

List the system features, its description and the functional requirements[[2]](#footnote-3).

|  |  |
| --- | --- |
| **Feature** | **Functional Requirements** |
| Search Bar | 1. Location input(City/Country) |
| Weather data display | Weather data from api should include:   * Temperature * Chances of rain * Real feel * wind speed * Humidity * 5 days forecast |
| Toggle Button | 1) Covert temp data from Celsius to Fahrenheit and Fahrenheit to Celsius |
|  |  |
|  |  |
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|  |  |

# 4 Other Requirements

### **4.1 Reports & Charts**

Provide a list of all reports and charts required by Client – specify if report design is provided by developer or Client

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Design Source[[3]](#footnote-4)** | **Description** |
|  | Report | Client |  |
|  | Chart | Developer |  |
|  |  |  |  |

### 4.2 User Documentation/Support

List the user documentation (user manuals, on-line help, and tutorials) that will be delivered along with the software.

1. User Classification is the user group or job family e.g Clerk, Front desk staff, cashier etc [↑](#footnote-ref-2)
2. *Functional requirements describes what the system is expected to do. It also explains how the system should react to particular inputs ; e.g the feature is to automate payroll and the system requirements includes allowing user to insert payroll deductions, loans and request etc*  [↑](#footnote-ref-3)
3. Design source is the individual providing the design or format of the proposed documentation. Customized report designs will be provided by the Client [↑](#footnote-ref-4)