

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. #** |
| Karl\_weather\_app | Weather data provider’s API documentation |  |
|  |  |  |

## 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: Weather Application**

**Product Description:** The Weather Application is designed to provide users with up-to-date weather information and forecasts for their chosen locations. It will offer real-time weather updates, location-based forecasts, and weather alerts.

|  |
| --- |
| **Why do they need the system?** |
| Users need the system to access accurate and reliable weather information for planning their daily activities and making weather-related decisions. |
| **What are the current process constraints/limitations they would want to change?** |
| Current weather apps lack specific features such as location-based forecasts, real-time updates, and user-friendly design. |
| **Intended users and how many?** |
| Intended users include individuals of all ages and professions. The application is expected to have a wide user base. |
| **What do they intend to achieve from the system?** |
| Users intend to receive timely and accurate weather information that helps them plan their activities efficiently. |
| **Can the solution solve the clients issues? (this is for internal use)** |
| Yes, the solution can address the limitations of existing weather apps and provide additional features. |
| **Actions needed to improve system to meet clients goal (this is for internal use)** |
| User-friendly design, real-time updates, and personalized location-based forecasts should be integrated into the system. |

# Overall Description

## Product Functions

Provide a high level summary list on the major functions of the software to identify the groups of related requirements. : The weather Application will offer the following major functions:

-Real-time weather updates

-Location-based forecasts

-Weather alerts

## User Classes and Characteristics

This section shows the expected system users and their characteristics

|  |  |
| --- | --- |
| **User Classification[[1]](#footnote-0): \_General users\_\_\_\_\_\_ (e.g ClerkBartender)**  **User Description: Individuals of all ages and professions** | |
| **User attribute** | **Description** |
| Current constraints | Limited access to detailed weather information |
| User Expectation | Access to real-time weather data |
| IT experience level | Varied |
| Frequency of System use | Daily |
| Mandatory to use system? | No |
| Number of users in class | Expected to be a large user base |
| Training required / received | Minimal |
| Regular user tasks | Checking weather information |
| **User Classification:**  **User Description:** | |
| Current constraints |  |
| User Expectation |  |
| IT experience level |  |
| Frequency of System use |  |
| Mandatory to use system? |  |
| Number of users in class |  |
| Training required / received |  |
| Regular user tasks |  |

## Current Client Status

|  |
| --- |
| **1. Main work-flow currently in use by the customer to perform the software tasks** |
| Reliance on existing weather apps or websites. |
| **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).

Description: The weather Application should operate on the following environment:

- Hardware platform: Mobile devices (iOS and Android), web.

- Operating systems/browser: Compatibility with major browsers and mobile platforms.

- Hosting option: Cloud-based hosting.

## 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-1).

|  |  |
| --- | --- |
| **Feature** | **Functional Requirements** |
| 1. Real-time weather updates | - Functional Requirements: The system should fetch and display real-time weather data for the user’s location |
|  |  |
| 1. Location-based Forecasts | - Functional Requirements: Users should be able to input or auto-detect their location and receive detailed weather forecasts for that location |
|  |  |
| 1. Projected Forecasts | - Functional Requirements: The system should provide weather alerts and notifications for severe weather conditions. |
|  |  |
|  |  |

# 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-2)** | **Description** |
| Weather Reports | Report | Client | Customized weather reports |
| Weather Charts | Chart | Developer |  |
|  |  |  | Pre-designed weather charts |

### 4.2 User Documentation/Support

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

User manuals, on-line help, and tutorials will be provided with the software to assist users in navigating and utilizing the weather Application.

1. User Classification is the user group or job family e.g Clerk, Front desk staff, cashier etc [↑](#footnote-ref-0)
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-1)
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-2)