

**Haukainga HomeWinds**

**Project Proposal**

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| VERSION: 1.0 | REVISION DATE: 14.08.2023 |

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Contents

[Section 1. Overview 1](#_Toc135221935)

[1.1 Purpose 1](#_Toc135221936)

[1.2 Business Context 1](#_Toc135221937)

[1.3 Scope 1](#_Toc135221938)

[1.4 User Characteristics 1](#_Toc135221939)

[Section 2. Assumptions, Dependencies, and Constraints 2](#_Toc135221940)

[2.1 Assumptions 2](#_Toc135221941)

[2.2 Dependencies 2](#_Toc135221942)

[2.3 Constraints 2](#_Toc135221943)

[Section 3. Requirements 3](#_Toc135221944)

[3.1 Business Requirements 3](#_Toc135221945)

[3.2 Functional Requirements 3](#_Toc135221946)

[3.3 Logical Data Requirements 4](#_Toc135221947)

[3.4 User Requirements 4](#_Toc135221948)

[3.5 Information Management Requirements 4](#_Toc135221949)

[3.6 Systems Requirements 4](#_Toc135221950)

[3.7 Interfaces 4](#_Toc135221951)

[3.8 Other Requirements 5](#_Toc135221952)

[Section 4. Requirements Traceability Matrix 6](#_Toc135221953)

[Section 5. References 7](#_Toc135221954)

[Section 6. Glossary 8](#_Toc135221955)

[Section 7. Revision History 9](#_Toc135221956)

[Section 8. Appendices 10](#_Toc135221957)

# Section 1. Overview

## 1.1 Purpose

*Specify the purpose of this Software Requirements Specification (SRS) and its intended audience.*

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## 1.2 Business Context

*Provide an overview of the business organization sponsoring the development of the software application, including the mission statement and organizational objectives of the business unit.*



## 1.3 Scope

*Describe the scope of the software application to be produced.*



## 1.4 User Characteristics

*Identify each type of user of the software by function, location, and type of device. Specify the number of users in each group and the nature of their use of the software.*



# Section 2. Assumptions, Dependencies, Constraints

## 2.1 Assumptions

*Describe the assumptions that can affect the requirements specified in this SRS.*



## 2.2 Dependencies

*Describe the dependencies that can affect the requirements specified in this SRS.*



## 2.3 Constraints

*Describe the constraints that can affect the requirements specified in this SRS.*



# Section 3. Requirements

## 3.1 Business Requirements

*Describe all business requirements for the software.*



## 3.2 Functional Requirements

*Customize this subfunction to contain the subfunctions necessary to comprehensively define the fundamental actions that must take place within the software to accept and process the inputs and to process and generate the outputs.*

*Subfunction templates for each of the means of specifying functional requirements are provided below.*

### 3.2.x*f* Function *X*

*When functional decomposition is used as the means of specifying the functional requirements provide a 3.2.xf subfunction for each function. Each 3.2.xf subfunction should be labeled and titled appropriately for a specific function, where xf is the appropriate sequential subfunction number and X is the name of the specific function.*

#### 3.2.*xf*.1 Function X Purpose

*Describe the intent of the function.*



#### 3.2.*xf.*2 Function X Inputs

*Describe the inputs to the function.*

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#### 3.2.*xf*.3 Function X Operations

*Describe the operations to be performed within the function.*



#### 3.2.*xf*.4 Function X Outputs

*Describe the outputs from the function.*

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### 3.2.*xu* Use Case *Y*

*When use cases are used as the means of specifying the functional requirements, provide a 3.2.xu subfunction for each use case. Each 3.2.xu subfunction should be labeled and titled appropriately for a specific use case, where xu is the appropriate sequential subfunction number and Y is the name of the specific use case.*

*Within each use case subfunction, specify the use case information, including the actor, pre-conditions, post-conditions, scenarios, and alternate scenarios.*

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## 3.3 Logical Data Requirements

*Describe the logical data requirements for the software.*

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## 3.4 User Requirements

*Describe the user requirements for the software.*



## 3.5 Information Management Requirements

*Describe the information management requirements for the software.*

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## 3.6 Systems Requirements

### 3.6.1 Performance Requirements

*Describe the performance conditions and their associated capabilities.*



### 3.6.2 Quality Requirements

*Describe requirements for the quality characteristics of the software.*



## 3.7 Interfaces

*Describe the logical characteristics of each interface between the application and other hardware, software, and communication protocols.*

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## 3.8 Other Requirements

*Identify any other requirements that do not fit appropriately into the preceding requirement sections.*

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# Section 4. Requirements Traceability Matrix

*Provide reference to the location of the Requirements Traceability Matrix that indicates traceabilty from the system requirements documented in the System Requirements Specification to the design elements documented in the System Design Description to the software requirements documented in this Software Requirements Specification (SRS).*

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# Section 5. References

*Provide a list of all documents and other sources of information referenced in the SRS and utilized in developing the SRS. Include for each the document number, title, date, and author.*

| **Document No.** | **Document Title** | **Date** | **Author** |
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# Section 6. Glossary

*Define of all terms and acronyms required to interpret the SRS properly.*

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# Section 7. Revision History

*Identify changes to the SRS.*

| **Version** | **Date** | **Name** | **Description** |
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# Section 8. Appendices

*Include any relevant appendices.*

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