

# SE 3XA3: Software Requirements Specification

## Sudoku Solver

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Table 1: Revision History

Date	Version	Notes
2022-02-07	1.0	Initialzed document with SRS structure
Date 2	1.1	Notes

This document describes the requirements for a Sudoku Solver. The template for the Software Requirements Specification (SRS) is a subset of the Volere template (Robertson and Robertson, 2012). If you make further modifications to the template, you should explicitly state what modifications were made.

## **1 Project Drivers**

### **1.1 The Purpose of the Project**

### **1.2 The Stakeholders**

#### **1.2.1 The Client**

#### **1.2.2 The Customers**

#### **1.2.3 Other Stakeholders**

### **1.3 Mandated Constraints**

### **1.4 Naming Conventions and Terminology**

### **1.5 Relevant Facts and Assumptions**

User characteristics should go under assumptions.

## **2 Functional Requirements**

### **2.1 The Scope of the Work and the Product**

#### **2.1.1 The Context of the Work**

#### **2.1.2 Work Partitioning**

#### **2.1.3 Individual Product Use Cases**

### **2.2 Functional Requirements**

## **3 Non-functional Requirements**

### **3.1 Look and Feel Requirements**

### **3.2 Usability and Humanity Requirements**

### **3.3 Performance Requirements**

### **3.4 Operational and Environmental Requirements**

### **3.5 Maintainability and Support Requirements**

### **3.6 Security Requirements**

### **3.7 Cultural Requirements**

### **3.8 Legal Requirements**

### **3.9 Health and Safety Requirements**

This section is not in the original Volere template, but health and safety are issues that should be considered for every engineering project.

## 4 Project Issues

### 4.1 Open Issues

### 4.2 Off-the-Shelf Solutions

### 4.3 New Problems

### 4.4 Tasks

### 4.5 Migration to the New Product

### 4.6 Risks

### 4.7 Costs

### 4.8 User Documentation and Training

### 4.9 Waiting Room

### 4.10 Ideas for Solutions

## References

James Robertson and Suzanne Robertson. *Volere Requirements Specification Template*.  
Atlantic Systems Guild Limited, 16 edition, 2012.

## 5 Appendix

This section has been added to the Volere template. This is where you can place additional information.

### 5.1 Symbolic Parameters

The definition of the requirements will likely call for `SYMBOLIC_CONSTANTS`. Their values are defined in this section for easy maintenance.