

# Software Requirements Specification for Chess Connect: Online tools combined with on-board vision to improve and share your game

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## Table of Revisions

Table 1: Revision History

Date	Developer(s)	Change
2022-10-04 date	Jonathan Cels name	Template creation and document formatting change

# 1 Units, Terms, Acronyms, and Abbreviations

## 1.1 Table of Units

Throughout this document SI (Système International d'Unités) is employed as the unit system. In addition to the basic units, several derived units are used as described below. For each unit, the symbol is given followed by a description of the unit and the SI name.

symbol	unit	SI
V	electric potential	volt
A	current	ampere
$\Omega$	resistance	ohm
s	time	second
$^{\circ}\text{C}$	temperature	centigrade
J	energy	joule
W	power	watt ( $\text{W} = \text{J s}^{-1}$ )

## 1.2 Abbreviations and Acronyms

symbol	description
A	Assumption
DD	Data Definition
GD	General Definition
GS	Goal Statement
IM	Instance Model
LC	Likely Change
LCD	Liquid Crystal Display
LED	Light-Emmitting Diode
MCU	Micro Controller Unit
PS	Physical System Description
R	Requirement
SRS	Software Requirements Specification
T	Theoretical Model



### 1.3 Mathematical Notation

### 1.4 Terminology and Definitions

## 2 Introduction

### 2.1 Document Purpose

### 2.2 Characteristics of Intended Reader

### 2.3 Characteristics of Intended User

### 2.4 Stakeholders

## 3 Problem Description

## 4 Assumptions

## 5 Constraints

## 6 Scope

## 7 Project Overview

### 7.1 System Context Diagram

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#### 7.2.1 Description

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## **9 Requirements**

### **9.1 Functional Requirements**

### **9.2 Nonfunctional Requirements**

#### **9.2.1 Look and Feel Requirements**

1. Example

#### **9.2.2 Usability and Humanity Requirements**

#### **9.2.3 Performance Requirements**

#### **9.2.4 Operational and Environmental Requirements**

#### **9.2.5 Maintainability and Support Requirements**

#### **9.2.6 Security Requirements**

#### **9.2.7 Cultural and Political Requirements**

#### **9.2.8 Legal Requirements**

- Other NFRs that might be discussed include verifiability,

## **10 Likely Changes**

## **11 Unlikely Changes**

## **12 Traceability Matrix**

## **A Values of Auxiliary Constants**

## **A Reflection**

### **A.1 Skills for Success**

### **A.2 Knowledge and Learning Approaches**