

# Rock Chalk Rendezvous Software Requirements Specifications

Version <1.0>

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## Revision History

Date	Version	Description	Author
03/04/2024	1.0	preliminary document with assigning roles	Shayna Weinstein, Ben Phillips, Dylan Kneidel, Delroy Wright, Andrew Reyes

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# Software Requirements Specifications

## 1. Introduction

*[The introduction of the **Software Requirements Specification (SRS)** provides an overview of the entire **SRS**. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of the **SRS**.]*

*[Note: The **SRS** captures the complete software requirements for the system, or a portion of the system. Following is a typical **SRS** outline for a project **using use-case modeling**. This artifact consists of a package containing use cases of the use-case model and applicable Supplementary Specifications and other supporting information.]*

*[Many different arrangements of an **SRS** are possible. Refer to [IEEE830-1998] for further elaboration of these explanations, as well as other options for **SRS** organization.]*

### 1.1 Purpose

The **SRS** fully describes the external behavior of the application or subsystem identified. It also describes nonfunctional requirements, design constraints, and other factors necessary to provide a complete and comprehensive description of the requirements for the software.

### 1.2 Scope

*[A brief description of the software application that the **SRS** applies to, the feature or other subsystem grouping, what Use-Case model(s) it is associated with, and anything else that is affected or influenced by this document.]*

### 1.3 Definitions, Acronyms, and Abbreviations

See *Glossary of Terms* Document for relevant definitions, acronyms, and abbreviations.

### 1.4 References

*[This subsection provides a complete list of all documents referenced elsewhere in the **SRS**. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]*

### 1.5 Overview

*[This subsection describes what the rest of the **SRS** contains and explains how the document is organized.]*

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## 2. Overall Description

*[This section of the **SRS** describes the general factors that affect the product and its requirements. This section does not state specific requirements. Instead, it provides a background for those requirements, which are defined in detail in Section 3, and makes them easier to understand. Include such items as:*

### 2.1 Product perspective

#### 2.1.1 System Interfaces

#### 2.1.2 User Interfaces

- User Auth
- Calendar creation

#### 2.1.3 Hardware Interfaces

- Graphics library

#### 2.1.4 Software Interfaces

- C++
- HTML

#### 2.1.5 Communication Interfaces

#### 2.1.6 Memory Constraints

- 

#### 2.1.7 Operations

### 2.2 Product functions

### 2.3 User characteristics

### 2.4 Constraints

### 2.5 Assumptions and dependencies

### 2.6 Requirements subsets

## 3. Specific Requirements

*[This section of the **SRS** contains all software requirements to a level of detail sufficient to enable designers to design a system to satisfy those requirements, and testers to test that the system satisfies those requirements. When using use-case modeling, these requirements are captured in the Use Cases and the applicable supplementary specifications. If use-case modeling is not used, the outline for supplementary specifications may be inserted directly into this section, as shown below.]*

### 3.1 Functionality

*[This section describes the functional requirements of the system for those requirements that are expressed in the natural language style. For many applications, this may constitute the bulk of the **SRS** package and thought should be given to the organization of this section. This section is typically organized by feature, but alternative organization methods may also be appropriate; for example, organization by user or organization by subsystem. Functional requirements may include feature sets, capabilities, and security.*

*Where application development tools, such as requirements tools, modeling tools, and the like, are employed to capture the functionality, this section of the document would refer to the availability of that data, indicating the location and name of the tool used to capture the data.]*

#### 3.1.1 <Functional Requirement One>

*[The requirement description.]*

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### 3.2 Use-Case Specifications

*[In use-case modeling, the use cases often define the majority of the functional requirements of the system, along with some non-functional requirements.]*

### 3.3 Supplementary Requirements

Responsive networking under 2s  
Must be written in C++  
Easily-shareable identifiers  
High server uptime  
Concurrent access  
Not vulnerable to security exploits  
Intuitive user interface

## 4. Classification of Functional Requirements

Functionality	Type
User authentication	Essential
Sharing with other users (Link, Code, etc)	Essential
Creating a personal calendar	Essential
Comparing individual calendar data	Essential
Adding other users to a group calendar	Essential
Setting meeting time limits	Desirable
Graphical user interface	Desirable
Multiple time zone support	Optional
Meeting notification reminder	Optional
Linking personal calendar using iCal file	Optional
Different locations and meeting methods	Optional
Automatic meeting time suggestion (Function of meeting length / all users)	Optional
Anonymous user use	Optional

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## 5. Appendices

*[When appendices are included, the **SRS** should explicitly state whether or not the appendices are to be considered part of the requirements]*