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| [Type the company name] |
| Software Requirements Document |
| Version |
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| Software Requirements Document or Specification for CIS 150 Honors |

Revision History

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| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| <date> | <Version 1> | <Your Name> | <First Revision> |
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# Introduction

## Purpose

<Briefly describe the purpose of the software requirements document and state who the intended audience is.>

## Scope

<Describe the scope of the program. For instance, it will have a command line interface, not a GUI.>

* + 1. <Give your software a name that will be used throughout this document.>
    2. <What the software will or will not do>
    3. <Describe how the software will be used. For instance, it will be used to play chess, provide reporting, facilitate calculations>

## Definitions, Acronyms, and Abbreviations

This subsection provides the definitions of all terms, acronyms and abbreviations that may be used in this document.

# General Description

This section describes the general outline of the program. It does not specify any specific requirement but should clarify any specification for the general reader of the document.

## Product Perspective

<Is this project part of any other project? Are you using materials from another class?>

## Product Function

This subsection provides a summary of the functions that the program will perform.

* + 1. <Start your list here.>

## User Characteristics

<Provide a brief description of who will be using your program.>

## General Constraints

* + 1. This program will be completed within the 16 weeks semester for CIS 150.
    2. <Add any other constraints you wish or perceive.>

## Assumptions and Dependencies

<List any operating systems or hardware requirements for your program.>

# Specific Requirements

This sections sets out the design requirements of the program that will be followed to implement and test the finish project.

<Each requirement should be correct, clear, testable and prioritized. Any requirement in this section that is not met should be moved to a later section for possible upgrades or additions.>

## External Interface Requirements

### User Interfaces

* + - 1. <list any user input>
      2. <list any screen output>

### Hardware Interfaces

* + - 1. <list any files that will be used for input>
      2. <list any files that will be used for output>

## Functional Requirements

### <Functional Requirement or Feature #1>

#### Introduction

* + - * 1. < a brief description of what the function will do>

#### Inputs

* + - * 1. <a list of any needed inputs>

#### Processing

* + - * 1. <what processes with this function require? Include and formulas>

#### Outputs

* + - * 1. <list or describe the output or result and where is will go>

#### Error Handling/Validation

* + - * 1. <list or describe any error handling or validation the function should provide.

### <Functional Requirement or Feature #2>

#### Introduction

* + - * 1. < a brief description of what the function will do>

#### Inputs

* + - * 1. <a list of any needed inputs>

#### Processing

* + - * 1. <what processes with this function require? Include and formulas>

#### Outputs

* + - * 1. <list or describe the output or result and where is will go>

#### Error Handling/Validation

* + - * 1. <list or describe any error handling or validation the function should provide.

### <Functional Requirement or Feature #2>

#### Introduction

* + - * 1. < a brief description of what the function will do>

#### Inputs

* + - * 1. <a list of any needed inputs>

#### Processing

* + - * 1. <what processes with this function require? Include and formulas>

#### Outputs

* + - * 1. <list or describe the output or result and where is will go>

#### Error Handling/Validation

* + - * 1. <list or describe any error handling or validation the function should provide.

#### <Functional Requirement #3 …>

## Any diagrams, flow charts, decision trees or pseudo code that you may have used.

<Each should be listed by category, under each category each item is listed under its own number.>

## Structures and Classes

<Any structures or classes that your code may use should have its own section >

### Structure/Class

#### Attributes (variable members)

#### Functions <if classes are used>

### Structure/Class

#### Attributes (variable members)

#### Functions <if classes are used>

## Non-Functional Requirements

<This section is left in for your information. If you find that your program does have a non-functional requirement you may fill it in. Otherwise just state none.>

### Performance

### Reliability

### Availability

### Security

### Maintainability

### Portability

# Analysis Models

This section lists all models used in developing specific requirements previously given in the Software Requirement Document.

<You may not have used any models to develop you program. If you have, provide an introduction and description for the model. The model should be traceable to the SRD’s requirements. Examples of possible models are sequence diagrams, data flow diagrams, and state-transition diagrams. These are UML diagrams.>

# Change Management Process

Describe the process that will be used to update the SRD. This should include who can submit changes and how the changes will be approved. A time frame for approvals should be included.