System Requirements Specification

Computational Graphing Tool

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Introduction

Purpose

Purpose of the SRS and the intended audience.

Scope

Product name, what the product will and won't do, and the uses of the product.

Definitions, Acronyms and Abbreviations

Self-explanatory.

References

List documents referenced (doubt we'll need this).

Overview

Outline the rest of the SRS and how it is organised.

Overall Description

Product Perspective

The context of the product. The characteristics and limits on the primary and secondary memory, modes of operations, backup and recovery, and site specific requirements.

System Interfaces

<writing>

User Interfaces

<things>

Hardware Interfaces

<information>

Software Interfaces

<words>

Communications Interfaces

<stuff>

Memory Interfaces

<letters>

Operations Interfaces

<data>

Site Adaptation Requirements

<dialog>

Product Functions

Summary of the product functions

User Characteristics

Describe the intented users (educational level, experience, expertise, technical skills)

Constraints

The restrictions on our solutions/options.

Assumptions and Dependencies

Factors that affect the requirements (?).

Specific Requirements

External Interface Requirements

Detailed description for each system interfaces, user interfaces, hardware interfaces, software interfaces and communication interfaces. Include input and output, name, format, valid range, timing and other information.

Functional Requirements

Detailed description of the functionality of each functional requirement.
"The system shall do/perform/provide ...".
May include input validity checks, sequence of operations, responses to abnormal situations, input-output relationships.

Performance Requirements

Performance related capabilities of the product.

Design Constraints

Describe all restrictions on the design alternatives such as standards or hardware limitations.

Software System Attributes

Describe all quality-related requirements (reliability, security, availability, interoperability)/

Reliability

<stuff>

Security

<words>

Availability

<writing>

Interoperability

<information>

Other Requirements

Appendices

Stuff