Introduction

Purpose –

* Purpose of Software Requirements Specification
* Describe the external behaviour of the application or subsystem identified
* describe non-functional requirements, design constraints, and other factors necessary to provide a complete and comprehensive description of the requirements for the software

User Characteristics –

* Create customer profiles for each type of user who will be using the product
* Student/faculty/staff/other
* Experience
* Technical expertise
* Other general characteristics that may influence the product

Assumptions –

* any assumptions that affect the requirements
* for example, equipment availability
* user expertise
* For example, a specific operating system is assumed to be available; if the operating system is not available, the Requirements Specification would then have to change accordingly.

Scope and Constraints –

* description of the software application that Software Requirements Specification applies to.
* Also describe any items that will constrain the design options, including
* Parallel operation with an old system
* Audit functions (audit trail, log files, etc.)
* Access, management and security
* Criticality of the application
* System resource constraints (e.g., limits on disk space or other hardware limitations)
* Other design constraints (e.g., design or other standards, such as programming language or framework)

Glossary of terms –

* Outline any acronyms, abbreviations and definitions that will be used throughout the document

Overview –

* What does the rest of this document contain/how is it organised?

|  |  |
| --- | --- |
| The problem the system is to solve is explained is understood |  |
| The purpose of the document is outlined clearly, and consistent with the rest of the document |  |
| The users of the system have been described and discussed |  |
| All major assumptions made in the rest of the document have been stated |  |
| The scope is well defined, and realistic for the project. Relevant hardware and software constraints identified and described |  |
| The glossary serves as a useful aid in reading the rest of the document |  |
| Significant consideration of each aspect of the problem is evidence, and discussed |  |
| The Users’ technical expertise has been discussed |  |
| All assumptions have been stated, and brief details on how the document would have to change if these were to change has be |  |
| Scope is bulletproof, there is no ambiguity in what is in scope. Constraints discussed in good detail. |  |