Software Requirements Specification Report

1 Introduction

< Give an overview of the entire SRS. >

1.1 Problem Definition

< Clearly identify the problem you will be working on. >

1.2 Purpose

< Write the purpose of SRS. >

1.3 Scope

< Write the scope of SRS. >

1.4 User and Literature Survey

< Literature survey on the existing products, and potential users of the your final product.>

1.5 Definitions and Abbreviations

< State the decriptions and abbreviatios that are used in your SRS report. >

SRS: Software Requirements Specification

1.6 References

< State all the documents and sources that are used in your SRS report. >

[1]	IEEE Std 830-1998: IEEE Recommended Practice for Software Requirements Specifications

1.7 Overview

< Explain how the SRS is organized and what the report contains. >

2 Overall Description

< Describe the general factors that affect the product and its requirements. Don't explain the specific requirements in this section. >

2.1 Product Perspective

< Show all information about the structure of the software, also the system and if exists interface with other software programs with using block diagrams. State the relations between the software components and describe how the software operates inside various constraints. >

2.2 Product Functions

<Give information about the major functions that the software will perform. Show the use case and actors of the system by using use case diagrams. And explain these use cases and actors.>

2.3 Contraints, Assumptions and Dependencies

< Specify all the regulatory policies, standarts, hardware limitations, safety and security considerations, and etc. List all the assumptions and dependencies that affects the requirements stated in the SRS. >

3 Specific Requirements

< In this section and its subsections, explain all the 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.

3.1 Interface Requirements

< Specify the user interfaces. Define the interfaces between the external systems and product components with describing all inputs into and outputs from the software system. Associate these interfaces with use cases that you show in the 2.2. Product Functions section. Don't repeat information there. >

3.2 Functional Requirements

<A description of each major software function, along with data flow and requirements of the function>

3.2.1 Functional requirement 1..n

3.3 Non-functional Requirements

3.3.1 Performance requirements

< Specify both the static and the dynamic numerical requirements placed on the software or on human interaction with the software as a whole. For instance; the number of simultaneous users to be supported or amount and type of information to be handled.>

3.3.2 Design constraints

< Specify the design constraints of the product like standards, programming languages, hardware constraints, software system attributes (reliability, portability, security, etc) etc.

4 Data Model and Description

This section describes information domain for the software

4.1 Data Description

Data objects that will be managed/manipulated by the software are described in this section.

4.1.1 Data objects

Data objects and their major attributes are described.

4.1.2 Relationships

Relationships among data objects are described using an ERD- like form. No attempt is made to provide detail at this stage.

4.1.3 Complete data model

An ERD for the software is developed.

4.1.4 Data dictionary

A reference to the data dictionary is provided. The dictionary is maintained in electronic form.

5 Behavioral Model and Description

< Present a description of the behavior of the software. >

5.1 Description for software behavior

< Describe the major events and states. >

5.2 State Transition Diagrams

< Depict the overall behavior of the system. >

6 Planning

6.1 Team Structure
6.2 Estimation (Basic Schedule)
6.3 Process Model

7 Conclusion