SRS FORMAT
&
CONTENTS

University Logo

- School of Technology
- COURSE: XXXX
- SYSTEM REQUIREMENT SPECIFICATION.
- REG_NUMBER: xxxxxxxxxxxxx
- NAME: xxxxxxxxxxxxx
- SUPERVISOR: xxxxxxxxxxx
- DATE SUBMITTED: dd/mm/yyyy

- **Table of contents**

- Must be auto generated

- **1.0 - Introduction Section**

- **1.1 Purpose**
  - Outline the purpose of the particular SRS(**be specific to the system's SRS and don't define SRS**)
  - specify the intended audience for the SRS (your targeted users, application designers and developers)

- **1.0 - Introduction Section**

- **1.2 Scope**
  - Identify the system to be produced by **NAME**.
  - Explain what the system will do, and what it will not do(detailed scope of your system)
  - Describe the **system benefits** and **objectives** as precisely as possible

- **1.0 - Introduction Section**

- **1.3 Definitions, Acronyms and Abbreviations**

  - Define important terms.
  - Give the full meaning of acronyms and abbreviations that appear in the document.

- **1.0 - Introduction Section**

- **1.4 Overview(summary of the SRS document)**
    - Describe what the rest of the SRS contains.
    - How the SRS is organized; For example what appears in chapter 1, chapter 2,….
    - This is not the same as table of contents.
    - It is a **summary of the contents.**

- **2. General description**

- **2.1 System perspective:**
  - State whether the system will be and totally self contained or integrated (stand alone vs. distributed).
  - If the system is component of a larger system then:
    - i. Briefly describe the functions of each component of the larger system and identify interfaces(between your system and its environment)
    - ii. Give overview of the principal external interfaces of this system.
    - iii. Give overview of hardware and peripheral equipment to be used
  - Give a block diagram showing the major components of the system, interconnections, and external interfaces.

2. General description

- **2.2 System Functionality**

▪ Describe the functions the system will **perform in details**.

▪ Do not assume the user knows what the system is supposed to do.

▪ Describe even the minor details.

▪ This part is crucial.

2. General description

- **2.3 User Characteristics**
- Outline the system users (**All of them**).
- Briefly describe the general characteristics each user (your client) of the system. (such as educational level, experience and technical expertise).
- Discuss specific user requirements (each user will have different expectations and requirements).
- For example, a clerk may have different requirement from the CEO, hence you need to specify each.

2. General description

- **2.4 General Constraints**

- Regulatory policies(For example policies to regulate access, modification of data in the system)

- Hardware limitations specific to the system

- Safety and security considerations for the system and its environment.

2. General description

- **2.5 Assumptions and dependencies**
- Outline any assumptions you made about your system and users.
- This means you must have some **background information** about the organization (users and the general environment).
- No guess work!

- **3. 0 Specific Requirements**

-    **3.1 Functional requirements:**

-       **Inputs and Outputs**
  - sources of inputs and destination of outputs
  - quantities, units of measure, ranges of valid inputs and outputs
  - timing(e.g. how long it may take to produce a report online)
-       **Processing**
  - Validation of input data(system should be able to validate inputs.).
  - Exact sequence of operations(you may use flow chart diagrams)
  - Responses to abnormal situations(e.g. system displays alert messages in case of an error)
  - Any methods (eg. equations, algorithms) to be used to transform inputs to outputs

- **3. 0 Specific Requirements**
- **3.2 User Interface Requirements**
- Draw the user interfaces e.g. forms and reports and pages (web).
- Hardware interfaces(e.g. PC-RAM, Processor speed, free disk space,…) must be specified.
- Software interfaces(Example OS platform:- windows xp running on Visual basic 6.0 and Ms Access 2003 database) are specified.
- Communications interfaces if any (will the system require online communication)
- Other requirements
    - frequency of use, accessing capabilities, static and dynamic organization, retention requirements for data
    - operations: periods of interactive and unattended operations, backup, recovery operations

- **4. Appendices**

- It may include:
  - Results of surveys from the research: in either narrative form, charts or graphs, filled questionnaires or interview response sheet.
  - Sample data of at least 5 records for every area of research
  - supporting documents to help readers of SRS(e .g A map showing the physical location of the client)

MARKSHEET FOR SRS

		MAX Marks
1 INTRODUCTION		
Purpose		1
Scope		1
Definitions & Acronames		1
Overview		1
2 GENERAL SPECIFICATIONS		
System Perspective (stand alone vs distribued)		1
System functionality (What the system does)		2
User Characteristics (Users & their specific requirements)		3
General Constraints(limitations/ security)		1
Assumptions Dependencies		1
3 SPECIFIC REQUIREMENTS		
Functional requirements		
	Inputs	3
	Outputs	3
	Processes	3
Userinterface		
	Userinterface	2
	Hardware Interface	1
	Software Interface	1
	Communication Interface	1
	Other requirements	1
4 APPENDIX		
	Survey Results	1
	Sample data	1
	Support Document	1
		30

NOTE

- The SRS is a document and is actually a blue print for the system you are developing.

- Presented to the supervisor for marking and advise.

- You must sign after submission.