

REQUIREMENT ENGINEERING

IEEE SRS DOCUMENT



AGENDA

INTRODUCTION

01

04

SYSTEM FEATURES

OVERALL DESCRIPTION

02

05

OTHER NFR

EXTERNAL INTERFACE

03

06

OTHER REQUIREMENTS

REQUIREMENTS VS SPECIFICATIONS

REQ. \neq SPECS.

Requirements: are what user wants

Specifications: are what the system is going to do.



IEEE SRS DOCUMENT

COMPOSED OF SIX MAIN PARTS

Introduction

Description

External interface requirements

System features

Other non-functional requirements

Other requirements

YOU DON'T HAVE TO ADD ALL THE PARTS IN EACH PROJECT.

Software Requirements Specification

for

<Project>

Version 1.0 approved

Prepared by <author>

<organization>

<date created>

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Revision History

Name	Date	Reason For Changes	Version

INTRODUCTION

PURPOSE

01

DOCUMENT CONVERSIONS

02

INTENDED AUDIENCE

03

PRODUCT SCOPE

04

REFERENCES

05



OVERALL DESCRIPTION

PRODUCT PERSPECTIVE

01

04

OPERATING ENV.

PRODUCT FUNCTIONS

02

05

DESIGN & IMPLEMENTATION
CONSTRAINTS

**USER CLASSES &
CHARACTERISTICS**

03

06

USER DOCUMENTATION

06

ASSUMPTIONS & DEPENDENCIES

EXTERNAL INTERFACE

USER INTERFACES

01

HARDWARE INTERFACES

02

SOFTWARE INTERFACES

03

COMMUNICATION INTERFACES

04

SYSTEM FEATURES

DESCRIPTION & PRIORITY

01

STIMULUS / RESPONSE SEQUENCE

02

FUNCTIONAL REQUIREMENTS

03

OTHER NON-FUNCTIONAL REQUIREMENTS

PERFORMANCE REQ.

01

SAFETY REQ.

02

SECURITY REQ.

03

SOFTWARE QUALITY ATTRIBUTES

04

BUSINESS RULES

05



ANY OTHER REQUIREMENTS

APP. A: GLOSSARIES

APP. B: ANALYSIS MODELS

APP. C: TO BE DETERMINED LIST

