

# Software Requirements Specification Outline

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# Structure of SRS

- ⦿ Introduction
- ⦿ User requirements
- ⦿ System features
- ⦿ External interface requirements
- ⦿ Other non-functional requirements
- ⦿ Other requirements

# Introduction

- ⦿ Purpose and objectives
- ⦿ Intended audience and reading suggestions
- ⦿ Project scope

# Main contents

- ⦿ User requirements
- ⦿ System features
- ⦿ External interface requirements
- ⦿ Other non-functional requirements
- ⦿ Other requirements

# User requirements

- ➊ Divided into three main parts which also indicate the architecture
  - ➋ Robot side requirements
  - ➋ Host side requirements
  - ➋ Mapping requirements

# System features

- ⦿ Two modes for the system which indicates the main events happened to the robot and activities
  - ⦿ Manual control
  - ⦿ Automatic mapping

# External interfaces requirements

- ⦿ Four interfaces which indicates the usage methodology of the program
  - ⦿ User interfaces
  - ⦿ Hardware interfaces
  - ⦿ Software interfaces
  - ⦿ Communications interfaces

# Other non-functional requirements

- ⦿ Not relevant to the functions but essential for formal implementation of the program
  - ⦿ Performance requirements
  - ⦿ Safety requirements
  - ⦿ Security requirements
  - ⦿ Software quality attributes