Requirement Analysis and Specification Document

Christian Rossi
Kirolos Sharoubim

Academic Year 2023-2024

Contents

Chapter 1

Introduction

1.1 Purpose

1.2 Scope

1.3 Definitions, acronyms and abbreviations

1.4 Revision history

1.5 Reference documents

1.6 Document structure

Chapter 2

Overall description

2.1 Product perspective

2.2 Product functions

2.3 User characteristics

2.4 Assumptions, dependencies and constraints

Chapter 3

Specific requirements

3.1 External interface requirements

3.1.1 User interfaces

3.1.2 Hardware interfaces

3.1.3 Software interfaces

3.1.4 Communication interfaces

3.2 Functional Requirements

3.3 Performance requirements

3.4 Design constraints

3.4.1 Standards compliance

3.4.2 Hardware limitations

3.4.3 Any other constraint

3.5 Software system attributes

3.5.1 Reliability

3.5.2 Availability

3.5.3 Security

3.5.4 Maintainability

3.5.5 Portability

Chapter 4

Formal analysis with Alloy

Chapter 5

Effort spent

Chapter 6

References