



POLITECNICO
MILANO 1863

Software Engineering 2

Requirements Analysis and Specification Document

Students & Companies

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1 Introduction

1.1 Purpose

1.1.1 Goals

1.2 Scope

1.2.1 World Phenomena

1.2.2 Shared Phenomena

1.3 Definitions, Acronyms, Abbreviations

1.4 Revision history

1.5 Reference Documents

1.6 Document Structure

2 Overall Description

2.1 Product Perspective

2.1.1 Scenarios

2.1.2 Class Diagrams

2.1.3 State Diagrams

Figure 1

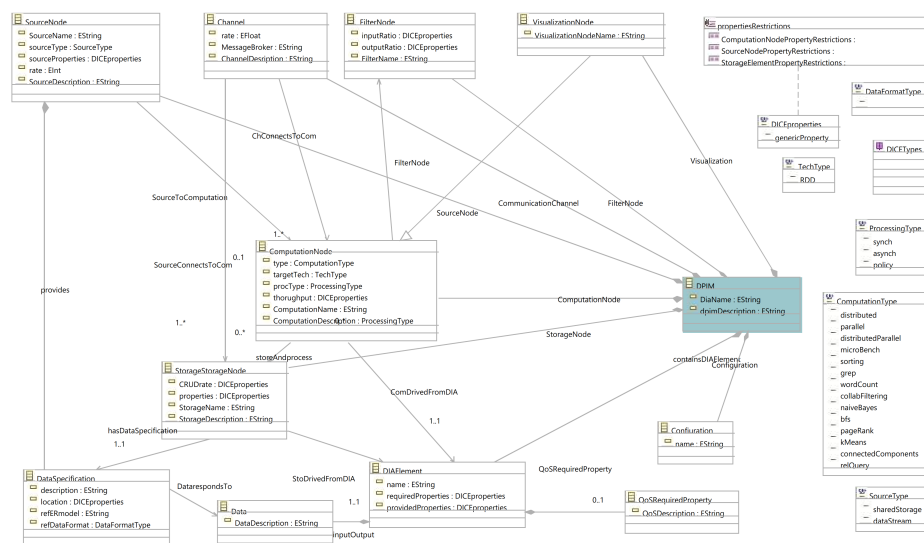


Figure 1: High-level Class Diagram

2.2 Product Functions

2.3 User characteristics

2.4 Assumptions, dependencies and constraints

2.4.1 Domain Assumptions

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

3.2.1 Requirements

3.2.2 Use case diagrams

3.2.3 Use case

3.2.4 Mapping on goals

3.3 Performance requirements

3.4 Design constraints

3.4.1 Standard compliance

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3.5 Software systems attributes

3.5.1 Reliability

3.5.2 Availability

3.5.3 Security

3.5.4 Maintainability

3.5.5 Portability

4 Formal Analysis Using Alloy

5 Effort Spent

Contributor	Effort (hours)
Belfiore Mattia	2
Benedetti Gabriele	2
Buccheri Giuseppe	2
Total	6

6 References

6.1 References

6.2 Used Tools