



POLITECNICO

MILANO 1863

Design Document (DD)

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v0.1

Contents

1	Introduction	3
1.1	Purpose	3
1.2	Scope	3
1.3	Definitions, Acronyms, Abbreviations	3
1.4	Revision history	3
1.5	Reference documents	3
1.6	Document structure	3
2	Architectural Design	3
2.1	Overview	3
2.2	High level components	4
2.3	Component view	4
2.4	Deployment view	4
2.5	Runtime view	4
2.6	Component interfaces	4
2.7	Architectural styles and patterns	4
2.8	Other design decisions	4
3	Algorithm Design	4
4	User Interface Design	4
4.1	UX diagrams	4
4.2	User interface	4
4.2.1	Web interface	4
4.2.2	Mobile interface	4
5	Requirements Traceability	4
5.1	Functional requirements	4
5.2	Non-functional requirements	4
6	Implementation, Integration and Test Plan	4
6.1	Entry criteria	4
6.2	Elements to be integrated	4
6.3	Integration testing strategy	4
6.4	Sequence of components/Function integration	4
6.4.1	Software integration sequence	4
6.4.2	Subsystem integration sequence	4
A	Appendix	4
A.1	Software and tools used	4
B	Bibliography	4

Section 1

Introduction

1.1 Purpose

1.2 Scope

1.3 Definitions, Acronyms, Abbreviations

1.4 Revision history

v0.1 Construct basic document's structure, add *Overview*.

1.5 Reference documents

1.6 Document structure

Section 2

Architectural Design

2.1 Overview

This section gives a detailed overview of physical and logical infrastructures of the system-to-be and describes the main components and their interactions.

A top-down approach is adopted for the description of the architectural design of the system:

High level components: A description of the high-level components and their interactions.

Component view: A detailed vision of the components described in the previous section.

Deployment view: A set of indications on how to deploy the components on physical tiers.

Runtime view: A detailed vision of the dynamic behaviour of the software.

Component interfaces: A description of the different interfaces.

Architectural styles and patterns: A set of Architectural styles, design patterns and paradigms used in the design phase.

Other design decisions: A list of all relevant decisions taken during the design process and not mentioned before.

- 2.2 High level components
- 2.3 Component view
- 2.4 Deployment view
- 2.5 Runtime view
- 2.6 Component interfaces
- 2.7 Architectural styles and patterns
- 2.8 Other design decisions

Section 3

Algorithm Design

Section 4

User Interface Design

- 4.1 UX diagrams
- 4.2 User interface
 - 4.2.1 Web interface
 - 4.2.2 Mobile interface

Section 5

Requirements Traceability

- 5.1 Functional requirements
- 5.2 Non-functional requirements

Section 6

Implementation, Integration and Test Plan