POLITECNICO
MILANO 1863

Code Kata Battle - Eusebio Alberto,
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Requirement Analysis and Specification Document

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Download page:	https://github.com/martinimarcello00/EusebioMartini
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1 Introduction

This document has been prepared to help you approaching Latex as a formatting tool for your Travlendar+ deliverables. This document suggests you a possible style and format for your deliverables and contains information about basic formatting commands in Latex. A good guide to Latex is available here https://tobi.oetiker.ch/lshort/lshort.pdf, but you can find many other good references on the web.

Writing in Latex means writing textual files having a `.tex` extension and exploiting the Latex markup commands for formatting purposes. Your files then need to be compiled using the Latex compiler. Similarly to programming languages, you can find many editors that help you writing and compiling your latex code. Here https://beebom.com/best-latex-editors/ you have a short oviewview of some of them. Feel free to choose the one you like.

Include a subsection for each of the following items[1]:

- Purpose: here we include the goals of the project
- Scope: here we include an analysis of the world and of the shared phenomena
- Definitions, Acronyms, Abbreviations
- Revision history
- Reference Documents
- Document Structure

Below you see how to define the header for a subsection.

1.1 Purpose

1.2 Scope

... Here you see a subsubsection

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

[1] By the way, what follows is the structure of an itemized list in Latex.

2 Overall Description

Here you can see how to include an image in your document.

2.1 Product perspective

2.1.1 Scenarios

2.1.2 Domain models

2.2 Product functions

2.2.1 Requirements

2.3 User caratheristics

2.4 Assumptions, Dependencies and Constraints

2.4.1 Assumptions

2.4.2 Dependencies

2.4.3 Constraints

3 Specific Requirements

3.1 External interface requirements

3.1.1 User interfaces

3.1.2 Hardare interfaces

3.1.3 Software interfaces

3.1.4 Communication interfaces

TODO: use case diagrams, use cases and associated sequence/activity diagrams, and mapping on requirements

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 others

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

Organize this section according to the rules defined in the project description.

5 Effort Spent

Provide here information about how much effort each group member spent in working at this document. We would appreciate details here.

References

