

Travlendar+ Requirement Analysis and Specification Document

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1. INTRODUCTION

the RASD does not contain items that are unrelated to the definition of requirements (e.g. design or implementation decisions).

A. Purpose:

here we include the goals of the project
WHAT

A.1 Goals:

B. Scope:

here we include an analysis of the world and of the shared phenomena

C. Definitions, Acronyms, Abbreviations

D. Revision history

E. Reference Documents

F. Document Structure

2. OVERALL DESCRIPTION

A. Product perspective:

here we include further details on the shared phenomena and a domain model (class diagrams and statecharts)

B. Product functions:

here we include the most important requirements

C. User characteristics:

here we include anything that is relevant to clarify their needs

D. Assumptions, dependencies and constraints:

here we include domain assumptions

3. SPECIFIC REQUIREMENTS:

Here we include more details on all aspects in Section 2 if they can be useful for the development team.

A. External Interface Requirements

A.1 User Interfaces

A.2 Hardware Interfaces

A.3 Software Interfaces

A.4 Communication Interfaces

B. Functional Requirements:

Definition of use case diagrams, use cases and associated sequence/activity diagrams, and mapping on requirements

C. Performance Requirements

D. Design Constraints

D.1 Standards compliance

D.2 Hardware limitations

D.3 Any other constraint

E. Software System Attributes

E.1 Reliability

E.2 Availability

E.3 Security

E.4 Maintainability

E.5 Portability

4. FORMAL ANALYSIS USING ALLOY:

in this section you will include your Alloy model. We require you to comment on the model by discussing the purpose of the model, what you can prove with it and why what you prove is important given the problem at hand. You are also required to show one or more worlds obtained by running your model.

5. EFFORT SPENT:

In this section you will include information about the number of hours each group member has worked for this document.

6. REFERENCES