

**Travlendar+ project YOUR NAMES** 

# **Requirement Analysis and Specification Document**

**Deliverable:** RASD

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**Download page:** https://github.com/lucaalessandrelli/AlessandrelliCaraffaBionda.git **Copyright:** Copyright © 2017, Luca Alessandrelli, Andrea Caraffa, Andrea

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#### 1 Introduction

## 1.1 Purpose

... Here you see a subsubsection

### 1.2 Scope

... Here you see a subsubsection

#### **1.2.1** Goals

# Data4Help

- G.1 Locate users' position on demand and in real time.
- G.2 Retrieve users' health status on demand and track it in live.
- G.3 Allow third parties registered to retrieve information about users with single and group requests.
- G.4 Ensure users' privacy.
- G.5 Allow third parties to retrieve historical data and statistics about users.

#### AutomatedSOS

- G.1 Monitor in real time users' health status with more attention to critical parameters.
- G.2 Allow only health-interested third parties the access to data detected by AutomatedSOS.
- G.3 Provides to send an ambulance if certain parameters are below critical values.

## • Track4Run

- G.1 Allow races organizer to promote into the system a new race and specify all the useful information about the race.
- G.2 Allow users to enrol on a specific race.
- G.3 Allow users to watch in real time the position of every athletes in a specific race during the run.

#### 1.2.2 World Phenomena

... what are world phenomenass???

#### 1.3 Definitions, Acronyms, Abbrevations

#### Definitions

- (a) User: authenticated individual that provides information about himself
- (b) Third party society: external society interested to retrieve data from TrackMe's user.
- (c) Single request: request of data from a specific registered individual.
- (d) Group request: request of data from many individuals.
- (e) Live acquisition: third parties can access to data as soon they are ready, through service updates.
- (f) On demand acquisition: third parties can access to data when they request them.

- (g) Subscribers: third parties allowed to receive live acquisition about preselected user/group.
- (h) User credentials: information that an individual has to provide to become a registered user: name, surname, date of birth, address, email, telephone number, job, marital status and fiscal code.
- (i) Third parties' credentials: information that a company has to provide to become a registered one: company name, p.iva.
- (j) Race information: all the information about the run: name, date, promoters, maximum number of participants and race path.

## 1.4 Revision History

... Here you see a subsubsection

#### 1.5 Reference Documents

... Here you see a subsubsection

#### 1.6 DocumentStructure

... Here you see a subsubsection

# 2 Overall Description

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

Here is the command to refer to another element (section, figure, table, ...) in the document: As discussed in Section 1.6 and as shown in Figure 1, .... Here is how to introduce a bibliographic citation [?]. Bibliographic references should be included in a .bib file.

Table generation is a bit complicated in Latex. You will soon become proficient, but to start you can rely on tools or external services. See for instance this <a href="https://www.tablesgenerator.com">https://www.tablesgenerator.com</a>.

- 2.1 Product perspective
- 2.2 Product functions
- 2.3 User characteristics
- 2.4 Assumptions, dependencies and constraints

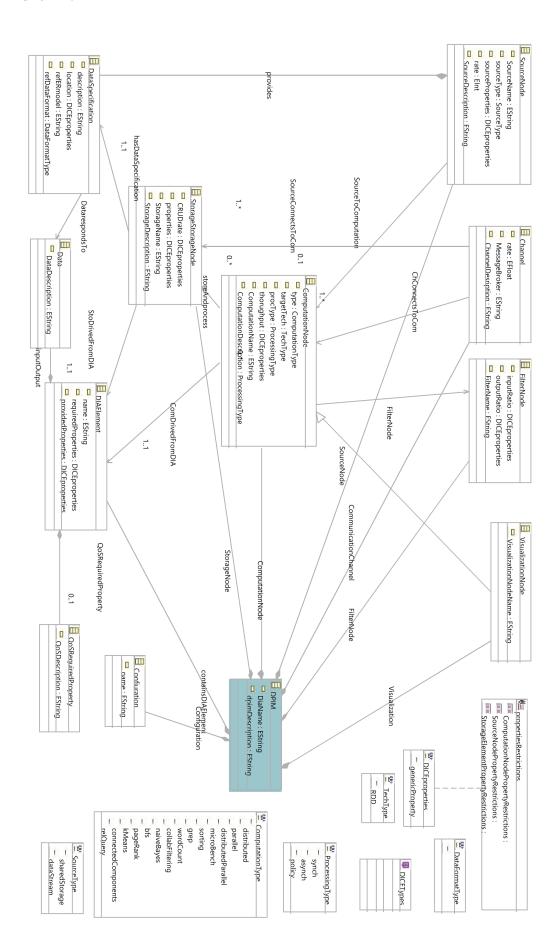


Figure 1: DICE DPIM metamodel

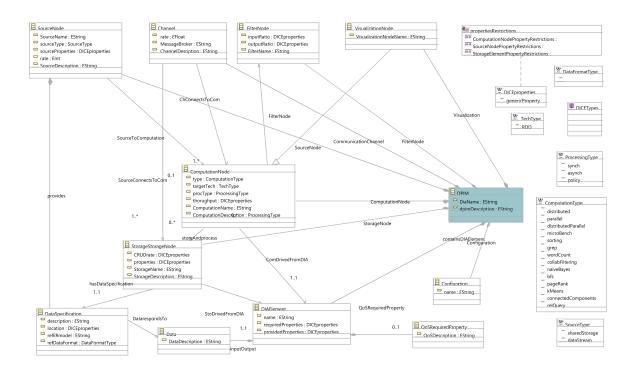


Figure 2: DICE DPIM metamodel in portrait form.

# 3 Specific Requirements

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

- 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

# 4 Formal Analysis Using Alloy

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

# **5** Effort Spent

In this section are provided information about how much effort each group member spent in working at this document.

## 5.0.1 Luca Alessandrelli

Date	Task	Hours
18/10/18	Goals	1
19/10/18	Domain Assumptions	3
	Total	4

## 5.0.2 Andrea Caraffa

Date	Task	Hours
18/10/18		
19/10/18		
	Total	

## 5.0.3 Andrea Bionda

Date	Task	Hours
18/10/18		
19/10/18		
	Total	

# **6** References

asdasd