

Travlendar+

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Chapter 1

Introduction

1.1 Purpose

Goals

G.0 Allow a user to log to the application.

G.0.1 Allow an unregistered user to log up to the application.

G.0.2 Allow a registered user to log in to the application.

G.1 Allow the Travlender to schedule a new meeting.

G.1.1 Allow the Travlender to choose the location of the meeting all across Milan.

G.1.2 Allow the Travlender to define the meeting as a work or personal event.

G.2 Allow the Travlender to personalize the travel as he prefers.

G.2.1 Allow the Travlender to choose the public service vehicles to use along his travel.

G.2.2 Allow the Travlender to buy in app public transportation tickets.

G.2.3 Allow the Travlender to find in app the nearest shared bike.

[TODO] specify each possible vehicle the user can buy and implement possible third part apps or sites to do that.

~~G.3 Warn the Travlender that a meeting is about to start.~~

G.4 Allow the Travlender to insert his launch time slot.

G.4.1 Allow the Travlender to modify the starting time of his slot.

G.4.2 Allow the Travlender to modify the ending time of his slot.

G.4.3 Allow the Travlender to specify the minimum time of his launch in his slot.

G5 --> The Travlender can modify details of an appointment

G6 --> The Travlender can delete a fixed appointment

G3 --> The Travlender can define and personalize his user preferences

G3.1 The Travlender can

G7 --> The Travlender can buy tickets and subscriptions for public trasportations

1.2 Scope

1.3 Definitions, acronyms, abbreviations

Travlender = A registered and logged user of Travlendar+.

[User preferences: preferences of the Travlendar about available](#)

1.4 Revision history

1.5 Reference documents

1.6 Document structure

Chapter 2

Overall description

2.1 Product perspective

2.2 Product functions

2.3 User characteristics

2.4 Assumptions, dependencies and constraints

Chapter 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

3.3 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

Chapter 4

Formal analysis using alloy

Chapter 5

Effort spent

Chapter 6

References