Politecnico di Milano

RASD - Requirements And Specifications Document

October 26, 2016

Authors:

- Domenico FAVARO (Mat. 837995)
- Caio ZULIANI (Mat.10576264)
- Matheus FIM (Mat. 876069)

Prof. Elisabetta DI NITTO

Contents

1 Introduction

This is the Introduction.

1.1 Problem Definition - PowerEnJoy

TEMP

You are to Develop a digital management system for a Car - sharing service that exclusively employs electric Cars. First, the system should provide the functionality normally provided by Car - sharing services. These include:

- Users must be reliable to register to the system by providing their credentials and payment information. They receive back a password that can be used to access the system.
- Registered Users must be reliable to find the locations of available Cars within a certain distance from their current location or from a specified address.
- Among the Cars available in a certain geographical region, Users must be reliable to reserve a single Car up to one hour before they pick it up.
- If a Car is not picked - up Within one hour from the reservation, the system tags the Car as available again, and the reservation expires; the User pays a fee of 1 EUR.
- A User that reaches a reserved Car must be reliable to tell the system she's nearby, so the system unlocks the Car and the User may enter.
- As soon as the engine ignites, the system starts charging the User for amount of money GIVEN per minute; the User is Notified of the current charges through a screen on the Car.
- The system stops charging the User as soon as the Car is parked in a safe area and the User exits the Car; At this point, the system locks the Car automatically.
- The set of safe parking areas for Cars is pre - defined by the management system.

TEMP

1.2 Goals

1.3 Glossary

1.4 Domain Assumptions

1.5 Constraints

2 Proposed System

3 Actors

The Actors will be here.

8 Used Tools

The Tools used to develop this RASD document were:

- **GitHub:** for Version Control
- **Alloy Analizer 4.2:** for Alloy Modelling and proving consistency
- **TeXworks:** for LaTex editing of this Document

9 Hours of Work

Date	Domenico	Caio	Matheus
25/10/16	30m	30m	30m
26/10/16	1h		
27/10/16			
28/10/16			
29/10/16			
30/10/16			
31/10/16			
01/11/16			
02/11/16			
03/11/16			
04/11/16			
05/11/16			
06/11/16			
07/11/16			
08/11/16			
09/11/16			
10/11/16			
11/11/16			
12/11/16			
13/11/16			