

POLITECNICO DI MILANO

Scuola di Ingegneria Industriale e dell'Informazione

Computer Science and Engineering



**Project of Software Engineering 2:
MyTaxi Service
Requirements Analysis and Specification
Document**

Docente del corso: Prof. Elisabetta DI NITTO

Autori:

Mattia CRIPPA matricola

Francesca GALLUZZI matricola

Marco LATTARULO matricola

Anno Accademico 2015–2016

Contents

1	Introduction	4
1.1	Purpose	4
1.2	Scope	4
1.3	Definitions, Acronyms and Abbreviations	4
1.4	References	4
1.5	Overview	4
2	Overall Description	5
2.1	Product Perspective	6
2.1.1	System Interfaces	6
2.1.2	User Interfaces	6
2.1.3	Hardware Interfaces	6
2.1.4	Software Interfaces	6
2.1.5	Communications Interfaces	6
2.1.6	Memory	6
2.1.7	Operations	6
2.1.8	Site Adaptation Requirements	6
2.2	Product Functions	6
2.3	User Characteristics	6
2.4	Constraints	6
2.5	Assumptions and Dependencies	6
2.6	Apportioning of Requirements	6
3	Specific Requirements	7
3.1	External Interfaces	8
3.2	Functions	8

3.3	Performance Requirements	8
3.4	Logical Database Requirements	8
3.5	Design Constraints	8
3.5.1	Standards Compliance	8
3.6	Software System Attributes	8
3.6.1	Reliability	8
3.6.2	Availability	8
3.6.3	Security	8
3.6.4	Maintainability	8
3.6.5	Portability	8
3.7	Organizing the Specific Requirements	8
3.7.1	System mode	8
3.7.2	User class	8
3.7.3	Objects	8
3.7.4	Feature	8
3.7.5	Stimulus	8
3.7.6	Response	8
3.7.7	Functional Hierarchy	8
3.8	Additional Comments	8
4	Supporting Information	9
4.1	Appendixes	9

List of Figures

Chapter 1

Introduction

1.1 Purpose

1.2 Scope

1.3 Definitions, Acronyms and Abbreviations

1.4 References

1.5 Overview

Chapter 2

Overall Description

2.1 Product Perspective

2.1.1 System Interfaces

2.1.2 User Interfaces

2.1.3 Hardware Interfaces

2.1.4 Software Interfaces

2.1.5 Communications Interfaces

2.1.6 Memory

2.1.7 Operations

2.1.8 Site Adaptation Requirements

2.2 Product Functions

2.3 User Characteristics

2.4 Constraints

2.5 Assumptions and Dependencies

2.6 Apportioning of Requirements

Chapter 3

Specific Requirements

3.1 External Interfaces

3.2 Functions

3.3 Performance Requirements

3.4 Logical Database Requirements

3.5 Design Constraints

3.5.1 Standards Compliance

3.6 Software System Attributes

3.6.1 Reliability

3.6.2 Availability

3.6.3 Security

3.6.4 Maintainability

3.6.5 Portability

3.7 Organizing the Specific Requirements

8

3.7.1 System mode

3.7.2 User class

Chapter 4

Supporting Information

4.1 Appendixes