Project Plan

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Chapter 1

Introduction

1.1 Purpose and scope

This is the Project Plan Document for the software project MY TAXI SERVICE. The goal of this document is to perform a preliminary analysis on the project feasibility and to indicate its required effort and time, to designate and allocate tasks, and to perform risk assessment and recovery protocols.

This document is targeted to the project managers, designers and developers, as the first step in assessing what needs to be done.

General information on the MY TAXI SERVICE project itself may be found in the reference documents, as specified below.

1.2 References

- Specification Document: MY TAXI SERVICE project specification for the Academic Year 2015-16 – *Assignments 1 and 2 (RASD and DD).pdf*;

- Specification Document: MY TAXI SERVICE project specification for the Academic Year 2015-16 – *Assignment 5 – Project Plan.pdf*;

Chapter 2

Effort metrics

2.1 Function points analysis

2.2 COCOMO analysis

Function Types	Weight		
	Simple	Medium	Complex
N. Inputs	3	4	6
N. Outputs	4	5	7
N. Inquiry	3	4	6
N. ILF	7	10	15
N. EIF	5	7	10

Figure 2.1: Function Points values

Function	Complexity	FP Cost
Login	LOW	3
Logout	LOW	3
Passenger signup	LOW	3
Driver signup	MED	4
Require Taxi	MED	4
Reserve Taxi	MED	4
GPS reading	LOW	3
Modify or delete reservation	LOW	3
Driver availability	LOW	3
Driver accepting or declining	LOW	3
Subtotal	–	33

Table 2.1: Input functions

Function	Complexity	FP Cost
Driver assignment notificat.	LOW	4
Driver move elsewhere	HIG	7
Passenger request confirmat.	HIG	7
Passenger reservation confi.	MED	5
Passenger res unavailable	MED	5
Subtotal	–	28

Table 2.2: Output functions

Function	Complexity	FP Cost
See reservation history	LOW	3
Subtotal	–	3

Table 2.3: Inquiry functions

Function	Complexity	FP Cost
Passengers database	LOW	7
Taxi and taxi driver database	LOW	7
Requests database	LOW	7
City zones database	LOW	7
Subtotal	–	28

Table 2.4: Internal Logic Files functions

Chapter 3

Project tasks

Chapter 4

Resource allocation

Chapter 5

Risk analysis

Appendix A

Document and work information

A.1 Revisions

This is the first version of this document. There are currently no revisions.

A.2 Tools used

TeXworks editor With PDFLaTeX, for composing and editing this document.

A.3 Overall time spent

The authors spent about 8 hours of their time, equally divided among them, working on this document.