

**P**roject **P**lan **D**ocument (**PPD**)

Computer Science and Engineering (CSE)

Software Engineering 2 Project

Year 2015/16

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**STUDENTS:**

*Martino Andrea (****788701****)*

*Marchesani Francesco (****852444****)*

**PROFESSOR:**

*Mirandola Raffaela*

# Introduction

## Table of contents

1. Introduction 2

1.0. Table of contents 2

1.1. Revision History 3

1.2. Purpose and Scope 3

1.3. Glossary 4

1.4. List of reference documents 4

2. Function Points and COCOMO II estimations 5

2.1. Function Points estimation 5

2.2. COCOMO II estimation 5

3. Project tasks and schedule 6

3.1. Project tasks 6

3.2. Project schedule 6

4. Resources allocation 6

5. Risks of the project 6

5.1. Risks identification 6

5.2. Risks relevance 6

5.3. Recovery actions 6

6. Appendix 6

6.1. Hours of work 6

## Revision History

We will keep the **revision history** of the **Project Plan Document** (**PPD**) in this chapter.

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Summary** |
| 1.0 | 30/01/2016 | Andrea Martino, Francesco Marchesani | Document  Creation |

## Purpose and Scope

This **Project Plan Document (PPD)** DA FINIRE

This **document** is coherent with *the official template* of the project on the *Beep platform* with some additional chapters.

As we said for the past documents, it is important to underline that some parts of this document may evolve in the future (this may occurs for several causes).

Anyway, we will try to maintain coherence as much as possible.

Here is a resume of the steps of the project, with the related deadlines (in green documents already delivered, in yellow the current document):

The main scope of this **PPD** (*Project Plan Document*) is to give an overall guidance to the **cost evaluation phase** of the **project**, which is *myTaxiDriver* (**Software Engineering 2 project** of year 2015/16 - **Politecnico di Milano**).

## Glossary

* **RASD**: *Requirements Analysis and Specification Document*
* **DD**: *Design Document*
* **ITPD**: *Integration Test Plan Document*
* **PPD**: *Project Plan Document*
* **FPs**: *Function Points*
* **COCOMO**: *Constructive Cost Model*
* **mTS**: *myTaxiService*
* **SE**: *Software Engineering*

**Note:** *for the full Glossary may be helpful to see also the paragraph 1.5 of the RASD 2.0, paragraph 2.3 of DD and paragraph 1.3 of ITPD.*

## List of reference documents

Here is a list of the **reference documents** for the current *Project Plan Document (PPD)* of *myTaxiService*:

* **Project Description** (from *Beep* platform)
* **RASD 2.0 [RASD Revision]** (hosted on *GitHub Repository*)
* **Design Document [DD]** (hosted on *GitHub Repository*)
* **Integration Test Plan Document [ITPD]** (hosted on *GitHub Repository*)

# Function Points and COCOMO II estimations

## Function Points estimation

This **Function Points estimation technique** follows the method invented in 1975 by Allan Albrecht (IBM) in order to give a good **size** approximation of *myTaxiService* project. Thus, we will focus on the **level of abstraction** of the functionalities of the service.

## COCOMO II estimation

The **Constructive Cost Model** (**COCOMO**) is an algorithmic software cost estimation model developed by Barry W. Boehm. The model uses a basic **regression formula** with parameters obtained from historical project data and current as well as future project characteristics.

We will focus on **COCOMO II**, which is the improved version of the original model.

By the way, we will use this approach to estimate **effort** and **cost** of *mTS* project.

# Project tasks and schedule

## Project tasks

## Project schedule

# Resources allocation

# Risks of the project

## Risks identification

## Risks relevance

## Recovery actions

# Appendix

## Hours of work

* **Andrea Martino**: Hours(x)
* **Francesco Marchesani**: Hours(x)