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Assignment 5: Project Plan

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1 Introduction

1.1 Purpose and Scope

The main purpose of the project plan is to plan time, cost and resources adequately to estimate the work needed and to effectively manage risk during project execution. A failure to adequately plan reduces the project's chances of successfully accomplishing its goals.

Project planning generally consists of:

- Identifying deliverables and creating the work breakdown structure;
- Identifying the activities needed to complete those deliverables and networking the activities in their logical sequence;
- Estimating the resource requirements for the activities;
- Estimating time and cost for activities;
- Developing the schedule;
- Developing the budget;
- Resource allocation (organization of work loads);
- Risk planning.

This document is based on an analysis made with two different algorithmic metrics of the system for *myTaxiService*. The first one is the Function Points (FP), which is used to estimate the software dimension (code size), which is directly used to evaluate the cost. The second is the COCOMO II that is used to estimate the efforts required in the development of a project by taking in account: characteristics of people, products and process.

1.2 List of Definitions and Abbreviations

The following acronyms are used in this document:

- FP: Function Points
- COCOMO: COnstructive COst MOdel

The following definitions are used in this document:

- Deliverables: are work that are delivered to the customer, e.g. a requirement document for the system.

2 Function Point analysis

3 COCOMO II analysis

4 Tasks identification and schedule

5 References allocation

6 Risk planning and management

7 References

Material from Wikipedia

- Project management: https://en.wikipedia.org/wiki/Project_management#Planning

8 Appendix

8.1 Software and tools used

- TeXstudio 2.10.6 (http://www.texstudio.org/) to redact and format this document.
- Astah Professional 7.0 (http://astah.net/editions/professional)

8.2 Hours of work

The time spent to redact this document:

- Baldassari Alessandro: 12 hours.
- Bendin Alberto: 12 hours.
- Giarola Francesco: 12 hours.