Politecnico di Milano

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Project Planning Document

Version 1.0

PowerEnjoy

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1. INTRODUCTION

1.1 Purpose and scope

This document is the Project Palnning Document form the PowerEnJoy paltform application. The mai purpose of this document is to provide an estiomation of the resource needed for the development of the platform.
This document is intended for software engineers, developers and the management team assigned to the project.

1.2 Definitions, acronyms, abbreviations

1.3 Referce documents

- Project description: Assignments AA 2016-2017.pdf

- RASD

- SDD

- ITPD

2. SIZE, EFFORT AND COST ESTIMATION

2.1 Size estimation

The final size of the project will be estimated in the LOC measure throught the use of Function Points. The following table show the weight assigned to each function points:

Function Types	Weight		
	Simple	Medium	Complex
Inputs	3	4	6
Outputs	4	5	7
Inquiries	3	4	6
Internal Logic Fiels (ILF)	7	10	15
External Logic Fiels (ELF)	5	7	10

2.1.1 Inputs

Element	Weight	FP
Registration	Simple	3
Log-in	Simple	3
Personal Info	Simple	3
Sing-up	Simple	3
Search Available Car	Medium	4
Select Car	Medium	4
Check Payment History	Simple	3
Unlock request	Medioum	4
Total		**30**

2.1.2 Output

Element	Weight	FP
Notification to costumer	Complex	7
Total		**7**

2.1.3 Inquiries

Element	Weight	FP
Get user position	Complex	6
Select Car	Medium	4
Total		**10**

2.1.4 Internal Logic Files

Element	Weight	FP
User information	Simple	7
Notifications	Simple	7
Ride	Medium	10
Total		**24**

2.1.5 External Logic Files

Element	Weight	FP
Map information	Complex	10
Total		**10**

2.1.6 Total number of FPs

Function group	FP
Inputs	30
Outputs	7
Inquiries	10
Internal logic files	24
External logic files	10
Total	**81**

2.2 Effort and cost estimantion

3. SCHEDULE AND RESOURCE ALLOCATION

4. PROJECT RISCK

This section contains a list of potential risck that might happen or not.

4.1 Project and product Risk

4.1.1 Requirements changes

Risk: Medium
Solution: adapt the project to include the new requirements

4.1.2 Requirements are unclear

Risk: Medium
Solution: Plan a meating with the client

4.1.3 Developer misunderstand requirements

Risk:low
Solution: schedule more meating with the clients

4.2 Business Risk

4.2.1 Cost forecasts are inaccurate

Risk: Medium
Solution: modify the architecture in order to fit the budget

4.2.2 Build a product that noone wants

Risk: Medium
Solution: adapt the product to the market demand

4.2.3 Software development require more time

Risk: low
Solution: Plan for more releases with a set of limitede functionalities

5. APPENDICES

5.1 References

The following tools where used in the creation of this document:

- *TexMaker 4.5* as Editor

5.2 Effort Spent

- Simone Amico   h
- Chianella Claudia Beatrice   h
- Giovanakis Yannick   h