Manage Project Homework: Feasibility Study

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1 Introduction

1.1 Purpose

The purpose of this document is to argument whether the MPH project can be developed and what are the risks related to its development.

The intended audience of this document includes the potential developers and the project managers of the platform.

1.2 Scope

The software system to be produced is a projects management tool which will be referred to as Manage Project Homework (MPH) throughout this document.

MPH will allow professors to publish a project description and to define the set of the corresponding deliverables. It will allow students to join project teams and submit deliverables by uploading them into the system.

The professor will also be able to evaluate the project deliverables assigning a score to them leaving to the system the computation of the final score, based on the average of the individual scores. MPH will provide some information sharing functionalities among different groups.

1.3 References

- Description of the project

  http://corsi.metid.polimi.it

- IEEE Std. 830-1998: IEEE Recommended Practice for Software Requirements Specifications

  http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=720574

- Carlo Ghezzi, Mehdi Jazayeri, Dino Mandrioli, Ingegneria del Software - Fondamenti e Prinicipi, Pearson Education Italia, 2004

1.4 Overview

The rest of this document contains the "Risks Analysis" in Section 2, and in the last section will be presented the final feasibility conclusions about the development of the MPH system.

2 Risks Analysis

2.1 Deadlines

The deadlines are calibrated in order to have a period of time not too long to make the project: in this way, the project is realistic and feasible. The project planning showed that the team will be able to finish the project some days before

the final deadline. All intermediate deadlines can be met. The implementation deadline is the most critical one, because problems could arise due to team inexperience with the tools that will be used. This problems could cause delays: thus, there is a possibility of going beyond the last deadline and deliver the project late.

2.2 Requirements

The project description provided by the customer is clear, but incomplete. However, with the assumptions made by the team, it will be able to proceed with the Design Document phase without any problems. Moreover, the contract does not include that the customer can make changes in the requirements during the development, which reduces the risk that the product developed will not meet the customer's expectations.

2.3 Technical Difficulties

The team will use the JEE platform to develop the MPH application. This platform includes many COTS components but it is new to the developers. The teams will have some external tutors which may also be contacted about the management of the project, its design and its implementation, this will provide the team to receive adequate training during the project. However, the inexperience of the team may cause delays in the project development. To overcome such delays, the team will have to reduce the set of implemented functionalities in the implementation phase and deliver the project in time with the final deadline.

2.4 Management Difficulties

The team, consisting of two developers, will work 6 hours a day. Each day, for 3 hours, they will be in close contact in the same environment, while the other 3 hours are spent in their homes. This could cause potential misalignments during the development, that must be held in highest regard and must be avoided through regular meetings (even daily) between the two developers.

3 Conclusions

3.1 Feasibility

The analysis performed so far showed that there are no special risks that could seriously threaten the success of the project, and in any case, for each risk found has been provided an effective recovery plan. In the end, the project is feasible and beneficial to the team, who agrees to begin the software development.