

Software Project Management Plan

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Project Plan

Introduction

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1 Overview

1.1 Purpose and Scope

The owners of agricultural lands that will benefit from the web application will be able to manage their fields in a simpler and more orderly way, being able to make the calculation of the agricultural yield in an easy and fast way.

The application will have a graphical interface that will help the user with the calculation of the probable agricultural yield.

1.2 Goals and Objectives

The project will be a web application with accounts where you can view your agricultural lands. Calculation of the agricultural yield of a field knowing:

- The surface
- The geographic location
- The seed that will be cultivated.

1.3 Assumptions and Constraints

You will have a database of seeds that will be obtained from the internet. The web application will have a database of accounts associated with lands, the users will be able to manage his own fields and calculate the yield of all of them.

The inability to predict the future in the meteorological and earnings area.

Plants could get sick, insect migration and birds.

1.4 Schedule and Budget Summary

05/12/2019 - Project Documentation (Vision Statement) 12/12/2019 - Project Documentation (Software Requirements Specification) 19/12/2019 - Project Documentation (Software Project Management Plan)
gg/mm/yyyy - Creation of the site gg/mm/yyyy – Creation of the DB Account gg/mm/yyyy - Adding the personal area of the site(DB field) gg/mm/yyyy – Creation of the DB seed gg/mm/yyyy – Adding the formula of agricultural yield gg/mm/yyyy – Adding the geographic position variable

The estimated initial project budget is around € 15000, if you exceed the initial budget you can extend up to a maximum of € 20000.

1.5 Success Criteria

The web application will be declared complete when, once the yield of the field has been calculated, a realistic result will be calculated.

1.6 Evolution of the project plan

The evolution of the project plan starts with the creation of the site, we will create the database with the user account and the database containing the seeds, after which we will add the personal area of the site, the agricultural performance formula and finally the position variable geographical.

2 Startup Plan

2.1 Team Organization

The leader of the team is Zuccolotto Devis.

The team members are: Micheloni Mirko, Pavan Andrea, Vidrascu Adrian

2.2 Tools

Github, Typora, Browser and online database service

3 Work Plan

3.1 Activities and Tasks

- Creation of the site
- Creation of the DB Account
- Adding the personal area of the site(DB field)
- Creation of the DB seed
- Adding the formula of agricultural yield
- Adding the geographic position variable

3.2 Budget

The estimated initial project budget is around € 15000, if you exceed the initial budget you can extend up to a maximum of € 20000.

4 Control Plane

4.1 Monitoring and control

- Weekly – Team meeting. Project participants report status, progress and potential problems.
- 22/12/2019 – Documentation review.
- 5/01/2019 – End of documentation. Start of programming
- 03/03/2019 - End of programming.

4.2 Project Measurements

| Phase | Measurements | Source |
|------------------|--|--------|
| Release Planning | Record effort estimates for product features | |