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Software Development Plan	Date: <11/10/14>
#SoftwareDevelopmentPlan31v10	

<Project Name> Software Development Plan

Version <1.0>

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Revision History

Date	Version	Description	Author
11/10/14	1.0	Pla del desenvolupament del software de Smart Energy	Albert, Sergi, Pol, Marc

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Software Development Plan

1. Introduction

En aquest document donarem totes les merdes possibles per a que el luis SIGUI molt GAY

Purpose

*[Specify the purpose of this **Software Development Plan**.]*

Scope

*[A brief description of the scope of this **Software Development Plan**; what Project(s) it is associated with and anything else that is affected or influenced by this document.]*

Definitions, Acronyms, and Abbreviations

*[This subsection provides the definitions of all terms, acronyms, and abbreviations required to properly interpret the **Software Development Plan**. This information may be provided by reference to the project's Glossary.]*

References

*[This subsection provides a complete list of all documents referenced elsewhere in the **Software Development Plan**. Identify each document by title, report number if applicable, date, and publishing organization. Specify the sources from which the references can be obtained. This information may be provided by reference to an appendix or to another document.]*

Nota: és molt important que aquest document referenciï els altres que esteu fent per evitar repeticions innecessàries

Overview

*[This subsection describes what the rest of the **Software Development Plan** contains and explains how the document is organized.]*

2. Project Overview

Project Purpose, Scope, and Objectives

Vendre un hardware que controli el consum energètic de la llum, juntament amb una aplicació mòbil i d'escriptori que permeti veure el consum, i doni consells al client per gastar menys electricitat.

Assumptions and Constraints

[A list of assumptions that this plan is based and any constraints, for example. budget, staff, equipment, schedule, that apply to the project.]

En termes de budget, feu referència a la 4.1. No digueu res d'schedule. De la resta, si teniu quelcom a dir, endavant.

Project Deliverables

[A tabular list of the artifacts to be created during the project, including target delivery dates.]

Nota: us podeu restringir a deliverables de tipus software (és a dir, les apps, serveis, etc. que proposeu)

Evolution of the Software Development Plan – deixar buida a la setmana 2

*[A table of proposed versions of the **Software Development Plan**, and the criteria for the unscheduled revision and reissue of this plan.]*

3. Project Organization – deixar buida a la setmana 2

Organizational Structure

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[Describe the organizational structure of the project team, including management and other review authorities.]

External Interfaces

[Describe how the project interfaces with external groups. For each external group, identify the internal and external contact names.]

Roles and Responsibilities

[Identify the project organizational units that will be responsible for each of the disciplines, workflow details, and supporting processes.]

4. Management Process

Project Estimates

[Provide the estimated cost and schedule for the project, as well as the basis for those estimates, and the points and circumstances in the project when re-estimation will occur.]

Mitjançant els Use Case Points, del qual em fet l'estudi, (es pot veure l'excel Effort & Budget), obtenim que per dur a terme el projecte necessitem 2.077 hores. A partir d'aquí ja podem començar a calcular el cost de la mà d'obra per desenvolupar el software, aquest cost, en total és de 55.426,92€. A continuació d'esglosarem el cost, per veure clarament d'on surt.

Primer de tot necessitem els següents rols, un cap de projecte, un analista senior, un arquitecte, un analista programador, un programador júnior, i finalment un tester.

Cadaquín d'aquest rols tindrà el seu sou, aquest sou l'hem calculat en funció de la demanda de mercat actual, i de la mitjana del mercat.

Així obtenim que el cap de projecte cobrarà 45.000€, el analista senior 35.000€, l'arquitecte 39.000€, l'analista programador i el tester 29.000€, i el programador junior 20.000€.

Però això és el que guanyara cadaquín dels rols, els hi hem de sumar la seguretat social, els impostos i les despeses fixes en el lloc de treball, per això cada rol té un increment, segons els calculs aportats per el professor Albert Botella, el cost de la seguretat social i altres impostos és del 40%. Un cop obtingut l'increment de la seguretat social, hem de tenir en compte les despeses fixes del lloc de treball, que segons el professor Albert Botella són de 200€ per lloc de treball.

Així obtenim que el cost del cap de projecte és de 63.200€, el analista senior és de 49.200€, l'arquitecte és de 54.800€, l'analista programador i el tester és de 40.800€, i el programador junior és de 28.200€.

Ara passarem a veure l'esforç típic de cada rol, per fer-ho hem obtingut les dades generals disponibles, és a dir, el tant per cent d'hores totals del cap de projecte, el analista senior i l'arquitecte són el 15% cadaquín, les del analista programador el 25%, les del tester 10% i les del programador junior 20%.

Els calculs de l'esforç d'hores, simplement és agafar les hores totals del projecte i el tant per cent de les hores de cada rol, i multiplicar-los per així obtenir que el cap de projecte, l'analista, i l'arquitecte hauran de dedicar al projecte 311,5 hores, mentre que el de l'analista programador seran 519,17 el programador junior 415,33 i el tester 207,67.

Project Plan

Phase Plan

[Include the following:

- *Work Breakdown Structure (WBS)*

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- *a timeline or Gantt chart showing the allocation of time to the project phases or iterations*
- *identify major milestones with their achievement criteria*

Define any important release points and demos.]

Iteration Objectives

[List the objectives to be accomplished for each of the iterations.]

Releases

[A brief description of each software release and whether it's demo, beta, and so on.]

Project Schedule

[Diagrams or tables showing target dates for completion of iterations and phases, release points, demos, and other milestones.]

Project Resourcing

Staffing Plan

[Identify the numbers and type of staff required here, including any special skills or experience, scheduled by project phase or iteration.]

Resource Acquisition Plan

[Describe how you will approach finding and acquiring the staff needed for the project.]

Training Plan

[List any special training project team members will require, with target dates for when this training should be completed.]

Budget

[Allocation of costs against the WBS and the Phase Plan.]

Iteration Plans

[Each iteration plan will be enclosed in this section by reference.]

Project Monitoring and Control

Requirements Management Plan

[Enclosed by reference.]

Schedule Control Plan

[Describe the approach taken to monitor progress against the planned schedule and how to take corrective action when required.]

Budget Control Plan

[Describe the approach to be taken to monitor spending against the project budget and how to take corrective action when required.]

Quality Control Plan

[Describe the timing and methods to be used to control the quality of the project deliverables and how to take corrective action when required.]

Reporting Plan

[Describe internal and external reports to be generated, and the frequency and distribution of publication.]

Measurement Plan

[Enclosed by reference.]

Risk Management Plan

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[Enclosed by reference.]

Close-out Plan

[Describe the activities for the orderly completion of the project, including staff reassignment, archiving of project materials, post-mortem debriefings and reports, and so forth.]

5. Technical Process Plans

Development Case

[Enclosed by reference.]

Methods, Tools, and Techniques

[List the documented project technical standards, etc., by reference:]

- *Business Modeling Guidelines*
- *User Interfaces Guidelines*
- *Use-Case-Modeling Guidelines*
- *Design Guidelines*
- *Programming Guidelines*
- *Test Guidelines*
- *Manual Style guide]*

Infrastructure Plan

[Enclosed by reference]

Product Acceptance Plan

[Enclosed by reference]

6. Supporting Process Plans

Configuration Management Plan

[Enclosed by reference]

Evaluation Plan

*[As part of the **Software Development Plan**, this describes the project's plans for product evaluation, and covers the techniques, criteria, metrics, and procedures used for evaluation— this will include walkthroughs, inspections, and reviews. Note that this is in addition to the Test Plan, which is not enclosed in the **Software Development Plan**.]*

Documentation Plan

[Enclosed by reference.]

Quality Assurance Plan

[Enclosed by reference.]

Problem Resolution Plan

[Enclosed by reference.]

Subcontractor Management Plan

[Enclosed by reference.]

Process Improvement Plan

[Enclosed by reference.]

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7. Additional Plans

[Additional plans if required by contract or regulations.]

8. Annexes

*[Additional material of use to the reader of the **Software Development Plan**.]*

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