DP2 2023-2024
Planning and Progress report

Acme Software Factory

Repository: https://github.com/rafcasceb/Acme-SF-D02

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GROUP C1.049

Version 1.0

16-02-24

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Abstract

In this document, the initial planning and estimation of the individual requirements regarding the deliverable D02 and their progress and final status will be addressed, along with the cost estimation.

Revision Table

Date	Version	Description of the changes	Deliverable
06/03/2024	1.0	• Initial version of the document	2
08/03/2024	1.1	• Screenshots added. • Real cost calculation. • Format fixing	2

Introduction

This document will include two different parts: an initial planning of the individual requirements related to the deliverable D02, and an estimation of the final resources dedicated and the comparation with the initial planning.
The structure of this document and the parts included have been determined following the guidelines provided in the Virtual Learning platform, in the document called "08 Annexes".

As part of the work to be done regarding "Acme Software Factory", the individual work consists in a technical requirement and two documentation requirements. This document is part of the mentioned documentation requirements, along with a "Analysis" report document.

For the calculation of the cost, the following amounts are considered:

Role	Cost (€ per hour)
Manager	30
Analyst	30
Developer	20
Tester	20
Deployer	20

Content

Part I. Planning

Task listing

Mandatory

A **training module** consists of one or several short-term training activities aimed at extending or updating knowledge and skills related to the topic of a **project**. The system must store the following data about them: a **code** (pattern "[A-Z]{1,3}-[0-9]{3}", not blank, unique), a **creation moment** (in the past), some **details** describing the training module (not blank, shorter than 101 characters), a **difficulty level** ("Basic", "Intermediate", or "Advanced"), an optional **update moment** (in the past, after the creation moment), an **optional link** with further information, and an estimated **total time**.

Estimated time: 50 minutes.

Final time inverted: 45 min.

Each **training module** is made up of **training sessions**. The system must store the following data about them: a **code** (pattern "TS-[A-Z]{1,3}-[0-9]{3}", not blank, unique), a time **period** (at least one week ahead the training module creation moment, at least one week long), a **location** (not blank, shorter than 76 characters), an **instructor** (not blank, shorter than 76 characters), a mandatory **contact email**, and an **optional link** with further information.

Estimated time: 50 minutes.

Final time inverted: 45 min.

The system must handle **developer** dashboards with the following data: total number of **training modules** with an **update moment**; total number of **training sessions** with a **link**; average, deviation, minimum, and maximum **time** of the **training modules**.

Estimated time: 25 minutes.

Final time inverted: 15 min.

Produce assorted sample data to test your application informally. The data must include two developer accounts with credentials "developer1/developer1" and "developer2/developer2".

Estimated time: 50 minutes.

Final time inverted: 3h 50 min.

Supplementary

There is a new project-specific role called **developer**, which has the following profile data:
degree (not blank, shorter than 76 characters), a **specialisation** (not blank, shorter than 101 characters), list of **skills** (not blank, shorter than 101 characters), an **email**, and an **optional link** with further information.

Estimated time: 30 min.

Final time inverted: 15 min.

 Produce a UML domain model.

Estimated time: 50 min.

Final time inverted: 54 min.

Produce an analysis report.

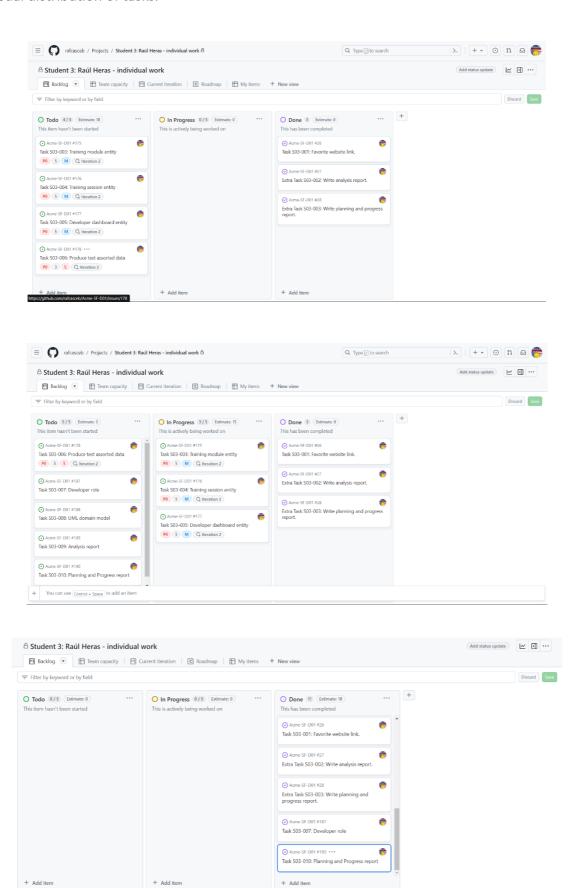**Estimated time**: 20 min.

Final time inverted: 50 min.

Produce a planning and progress report.

Estimated time: 45 min.

Final time inverted: 40 min.

Visual distribution of tasks.

Estimated initial budget.

Time estimated by role:

Developer role**:** 3h 25 min

Analyst role: 1h 55 min.

Estimated personnel cost.

Developer role: 68.40 €

Analyst role: 57.60 €

Amortization cost.

The amortization will be calculated using a linear method over the span of three years, and only the equipment (the computer) will be considered.

Amortization   = (equipment value + residual value) / 3 years = (700 + 0.07*700) / 3 = 749 / 3 = 249.67 €

Total cost.

Personnel cost + Amortization cost = 68.40 + 57.60 + 249.67 = 375.67 €

Part II. Progress.

Final cost.

Final time by role:

Developer role**:** 5h 50 min.

Analyst role: 2h 24 min.

Estimated personnel cost.

Developer role: 116.60 €

Analyst role: 72 €

Amortization cost.

The amortization will be calculated using a linear method over the span of three years, and only the equipment (the computer) will be considered.

Amortization   = (equipment value + residual value) / 3 years =
          = (700 + 0.07*700) / 3 = 749 / 3 = 249.67 €

Total cost.

Personnel cost + Amortization cost = 116.60 + 72 + 249.67 = 443.27 €

Budget comparison.

Role	Planned time	Actual time	Time difference	Planned cost	Actual cost	Difference	Amortization
Developer	3h 25 min	5h 50 min	-2h 25 min	68.40€	116.60€	-48.20€	249.67€
Analyst	1h 55 min	2h 24 min	-1h 31min	57.60€	72€	-14.40€	249.67€

This gives us an overall difference of -62.20€

Conflicts.

No remarkable problems have been detected during this deliverable. Despite an optimistic planning in terms of time, the good work reduced the impact of this unrealistic planning.
The requirement regarding sample data was clearly underestimated, as it took an amount of time that exceeded the expected by a long way.
The managerial requirements however, were generally correctly estimated.

Progress record.

Raúl Heras Pérez – Student #3 17/02/2024

I have completed all the tasks included in the deliverable with enough time left to correct any errors in the tasks.
No QA task has been done about the tasks indicated in this document, as they were purely individual.
Several individual reviews have been done in almost every requirement, going back to development back and forth to fix minor details.

Conclusions

Although the planning was not close to the real effort, the actual work was well done, having enough time to review every task over and over during the deliverable, taking into account the recommendations given in class and in the subject forum.
I reckon a satisfiable work that will be extended during the following deliverables.

Conclusions

Bibliography

Intentionally blank.