

DP2 2023-2024
Planning and Progress report

Acme Software Factory



Repository: <https://github.com/rafcasceb/Acme-SF-D04>

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Abstract

In this document, the initial planning and estimation of the individual requirements regarding the deliverable D03 and their progress and final status will be addressed, along with the cost estimation.

Revision Table

Date	Version	Description of the changes	Deliverable
25/05/2024	1.0	<ul style="list-style-type: none">• Content written.• Screenshots added.• Real cost calculation.• Format fixing	4

Introduction

This document will include two different parts: an initial planning of the individual requirements related to the deliverable D04, and an estimation of the final resources dedicated and the comparison 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”.

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

Produce a test suite for Requirements #6 and #7.

Estimated time: 5 hours

Final time inverted: 15 hours

Produce a testing report.

Estimated time: 2 hours

Final time inverted: 3 hours.

Supplementary

Produce an analysis report.

Estimated time: 25 min.

Final time inverted: 30 min.

Produce a planning and progress report.

Estimated time: 45 min.

Final time inverted: 40 min.

Produce a lint report.

Estimated time: 45 min.

Final time inverted: 20 min

Estimated initial budget.

Time estimated by role:

Tester role: 7 h

Analyst role: 1h 55 min.

Estimated personnel cost.

Tester role: 140 €

Analyst role: 57.50€

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 = $(700 + 0.07 \cdot 700) / 3 = 749 / 3 = 249.67 \text{ €}$

Total cost.

Personnel cost + Amortization cost = $140 + 57.50 + 249.67 = 447.17 \text{ €}$

Part II. Progress.

Final cost.

Final time by role:

Tester role: 17 h

Analyst role: 1h 30 min.

Estimated personnel cost.

Tester role: 340 €

Analyst role: 45 €

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.

$$\begin{aligned}\text{Amortization} &= (\text{equipment value} + \text{residual value}) / 3 \text{ years} = \\ &= (700 + 0.07 \cdot 700) / 3 = 749 / 3 = 249.67 \text{ €}\end{aligned}$$

Total cost.

$$\text{Personnel cost} + \text{Amortization cost} = 340 + 45 + 249.67 = 634.67 \text{ €}$$

Budget comparison.

Role	Planned time	Actual time	Time difference	Planned cost	Actual cost	Difference	Amortization
Tester	7 h	17h	-10 h	140€	340€	-200€	249.67€
Analyst	1h 55 min	1h 30 min	-25min	57.60€	45€	+12.60€	249.67€

This gives us an overall difference of -187.4€

Conflicts.

The testing part was correctly estimated at first, but the different conflicts and errors, along with small fixes that needed to be done, resulted in a total work time that exceeded at a big length the estimation done at the beginning.

Progress record.

Raúl Heras Pérez – Student #3 25/05/2024

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 in this last deliverable.

Bibliography

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