DP2 2023-2024
Planning and Progress report

Acme Software Factory

Members:

- Castillo Cebolla, Rafael   rafcasceb@alum.us.es
- Flores de Francisco, Daniel   danflode@alum.us.es
- Heras Pérez, Raúl   rauherper@alum.us.es
- Mellado Díaz, Luis   luimeldia@alum.us.es
- Vento Conesa, Adriana   adrvencon@alum.us.es

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Content Table

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
12/03/2024	1.0	• Initial version of the document	3
24/03/2024	1.1	• Screenshots added. • Real cost calculation. • Format fixing	3

Introduction

This document will include two different parts: an initial planning of the individual requirements related to the deliverable D03, 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".

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

Operations by **developers** on **training modules**:

- List the **training modules** that they have created.
- Show the details of their **training modules**.
- Create, update, or delete their **training modules**. **Training modules** can be updated or deleted as long as they have not been published. For a **training module** to be published, it must have at least one **training session**.

Estimated time: 5 hours

Final time inverted: 7 hours

Operations by **developers** on **training sessions**:

- List the **training sessions** in their **training modules**.
- Show the details of their **training sessions**.
- Create and publish a **training session**.
- Update or delete a **training session** as long as it is not published.

Estimated time: 5 hours

Final time inverted: 4 hours.

Operations by **developers** on **developer** dashboards:

- Show their **developer** dashboards.

Estimated time: 30 minutes.

Final time inverted: 1 hour.

Supplementary

Operations by anonymous principals on user accounts:

- Sign up to the system and become a **developer**.

Estimated time: 30 min.

Final time inverted: 15 min.

Operations by **developers** on user accounts:

- Update their profiles.

Estimated time: 15 min.

Final time inverted: 26 min.

Operations by any principals on **training modules**:

- List the **training modules** in the system that are published.
- Show the details of the **training modules** that they can list (excluding their **training sessions**).

Estimated time: 15 min.

Final time inverted: 20 min.

Produce an analysis report.

Estimated time: 25 min.

Final time inverted: 30 min.

Produce a planning and progress report.
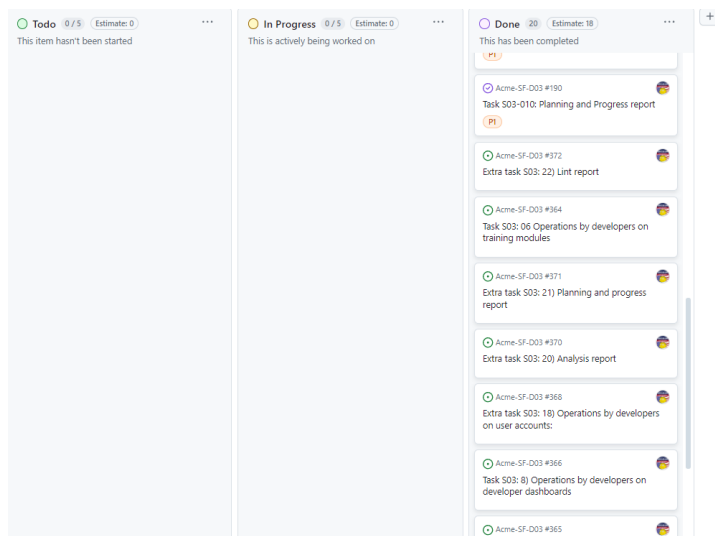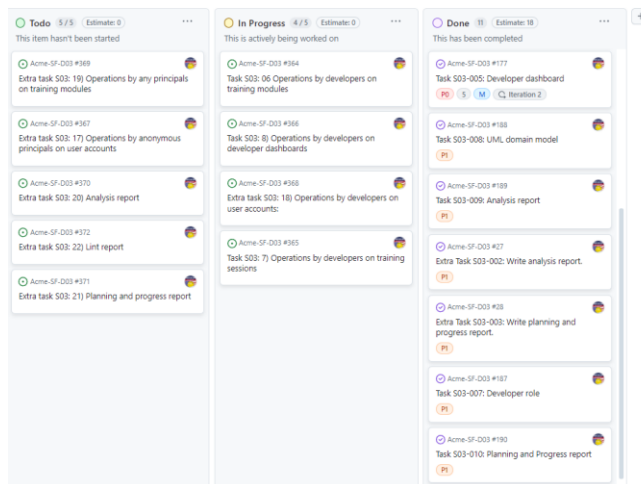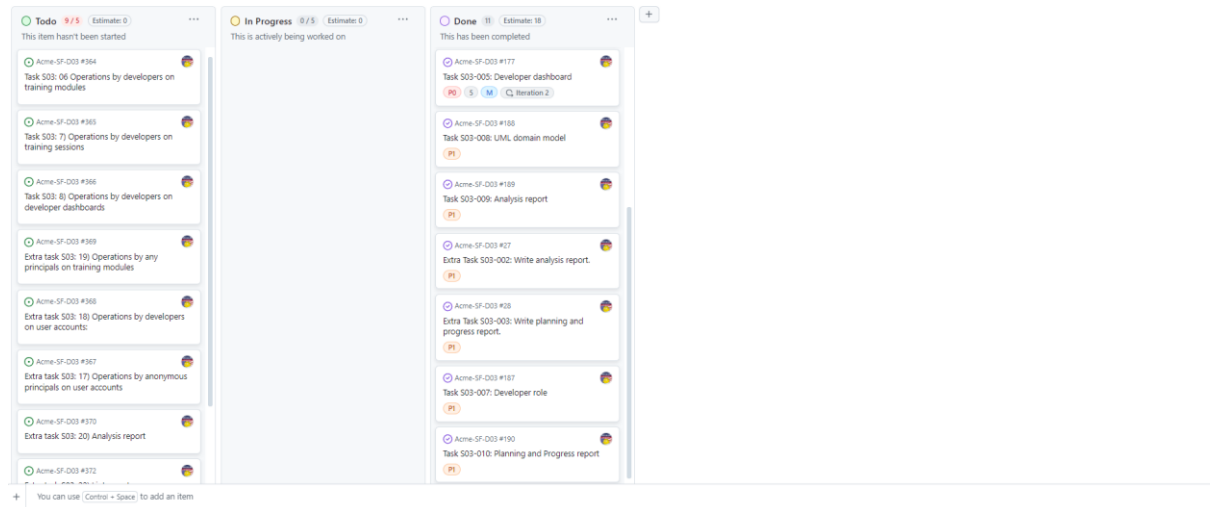
Estimated time: 45 min.

Final time inverted: 40 min.

Produce a lint report.

Estimated time: 45 min. (I will not take this into account for the calculations, see Analysis Report)

Final time inverted: (Not to taken into account for this deliverable, see Analysis Report)

Visual distribution of tasks.

Estimated initial budget.

Time estimated by role:

Developer role**:** 6h 30 min

Analyst role: 1h 10 min.

Estimated personnel cost.

Developer role: 130 €

Analyst role: 42.50 €

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*700) / 3 = 749 / 3 = 249.67 €

Total cost.

Personnel cost + Amortization cost = 130 + 42.50 + 249.67 = 421.17€

Part II. Progress.

Final cost.

Final time by role:

Developer role**:** 13 h 1 min.

Analyst role: 1h 30 min.

Estimated personnel cost.

Developer role: 260.33 €

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.

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

Total cost.

Personnel cost + Amortization cost = 260.33 + 45 + 249.67 = 555 €

Budget comparison.

Role	Planned time	Actual time	Time difference	Planned cost	Actual cost	Difference	Amortization
Developer	6h 30 min	13h 1min	-6h 31min	130€	260.33€	-130.33€	249.67€
Analyst	1h 55 min	1h 30 min	-25min	57.60€	45€	+12.60€	249.67€

This gives us an overall difference of -133.83€

Conflicts.

The development of the features was poorly estimated. There was needed a lot of time to mull over different errors and debugging, as well as fixing details and error found in the forum and in the follow-up sessions.
The managerial requirements, however, were generally correctly estimated.

Progress record.

Raúl Heras Pérez – Student #3 24/03/2024

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

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