



11 DE MARZO DE 2024

PLANNING AND PROGRESS REPORT

GROUP C-1.047



ACME Software
Factory

Acme SF, Inc.

Repository link: <https://github.com/Cargarmar18/Acme-SF.git>

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1. Executive summary

The contents of this planning and progress report present a planning chapter and a progress chapter. The planning chapter includes a listing of the tasks that have been performed to fulfil the requirements of the deliverable D02 with some additional information, as well as some screenshots on how this tasks' workflow was evolving, and finally an estimated budget on the cost to carry those tasks. The progress chapter includes a listing of progress records with some additional information, as well as a succinct description of the conflicts that arose, and a final comparison between the estimated cost and the real cost.

2. Revision table

Revision number	Date	Description
1.0.0	11/03/2024	Document elaboration.

3. Introduction

The content of this document aims to redact, through two chapters, the fluctuation of the tasks carried out during the development of the Acme-SF project.

The first chapter focuses on listing the tasks carried out to meet the requirements of deliverable D02, providing relevant information regarding each of them. This information, including aspects such as the estimated time and the real time in carrying out some of the tasks, allows us to conduct a study about the estimated cost and the real cost of them, varying the aforementioned cost both in time and in the role taken in said task. Screenshots taken throughout the development are also

provided, contributing with graphic information on how the tasks have been managed, in addition to how they fluctuated.

The second chapter focuses on listing the progress reports, including important information regarding each of them. This information revolves around the evaluation of the performance following the guidelines that were defined in the charter, as well as a description of the conflicts that arose and how they were addressed, if any. Finally, a comparison is carried out with the previously computed estimated cost and the actual cost after completion of the deliverable.

This document is structured starting with a cover page containing relevant information about the document, such as its title, the project's repository, the group number, the author or authors' names with their corresponding corporate email addresses, and the date. The document proceeds with a table of contents, an executive summary, and an introduction before delving into its content. The planning and progress report provides two chapters; a planning chapter and a progress chapter. Each chapter focuses on both analysing the planning of the tasks that have to be carried out for the development of the project in its D02 version by the Student#3, as well as for analysing their progress and execution, having its focal point on evaluating their performance according to the stated in the charter. Finally, the document ends with a conclusion summarizing the presented information and an appropriate bibliography. This structure, as described and used, is outlined in the "Annexes" document, provided by the University of Seville.

4. Contents

4.1 Planning chapter

The tasks performed by the student#3 to fulfil the requirements of deliverable D01 are listed as follows:

Task	Description	Assignee	Role	Estimated time	Real time
Task 002	Objective data model	Rodríguez Millán, María C.	Developer	50 minutes	61 minutes
Task 006	Initial data to start project	Rodríguez Millán, María C.	Developer	60 minutes	57 minutes
Task 007	Assorted sample data	Rodríguez Millán, María C.	Developer	120 minutes	112 minutes
Task 009	Administrator dashboards	Rodríguez Millán, María C.	Developer	30 minutes	18 minutes
Task 021	Student #3: training module data model	Rodríguez Millán, María C.	Developer	60 minutes	52 minutes
Task 022	Student #3: training sessions data model	Rodríguez Millán, María C.	Developer	60 minutes	46 minutes
Task 023	Student #3: developer dashboards	Rodríguez Millán, María C.	Developer	40 minutes	36 minutes

Task 024	Student#3: assorted sample data	Rodríguez Millán, María C.	Developer	200 minutes	247 minutes
Task 025	Student#3: developer data model	Rodríguez Millán, María C.	Developer	30 minutes	19 minutes
Task 026	Student#3: UML domain model	Rodríguez Millán, María C.	Analyst	90 minutes	59 minutes
Task 027	Student#3: Analysis report	Rodríguez Millán, María C.	Analyst	150 minutes	176 minutes
Task 028	Student#3:Planning and progress report	Rodríguez Millán, María C.	Analyst	150 minutes	
Task 002/T1	Informal testing	Rodríguez Millán, María C.	Tester	10 minutes	7 minutes
Task 002/R1	Objective data model review	Rodríguez Millán, María C.	Developer	15 minutes	14 minutes
Task 008/T1	Informal testing	Rodríguez Millán, María C.	Tester	10 minutes	8 minutes
Task 009/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	3 minutes
Task 013/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	2 minutes
Task 014/T1	Informal testing	Rodríguez Millán, María C.	Tester	10 minutes	6 minutes
Task 015/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	5 minutes
Task 021/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	4 minutes
Task 022/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	4 minutes
Task 038/T1	Informal testing	Rodríguez Millán, María C.	Tester	5 minutes	4 minutes

Some screenshots of different moments from along the delivery development can be found below.

It is emphasized again (it was already mentioned in the previous analysis report) that the kanban method provided and suggested in the subject has been followed, with a column for tasks to be done (To do), a column for the tasks that are being carried out (In progress), and a column for the tasks finished (Done). It also has the small alteration, decided unanimously by the team, of adding a

column of tasks under review (Reviewing), with the intention of not overlooking the review of any of the tasks to be carried out, and without ceasing to follow the methodology of the subject. In the same way, if the review of a task found in the "Reviewing" column finds an error, the task is taken to the "Done" column respectively, and the corresponding review task is created, as proposed in the subject guidelines. This summarizes that the addition of the aforementioned column is not intended to alter the methodology but is intended to complement it to avoid possible conflicts.

The tool used to achieve the correct documentation and tracing of the tasks was Trello, which provides several helpful features, as well as a friendly interface. The decision on the use of this tool was also taken unanimously by the team.

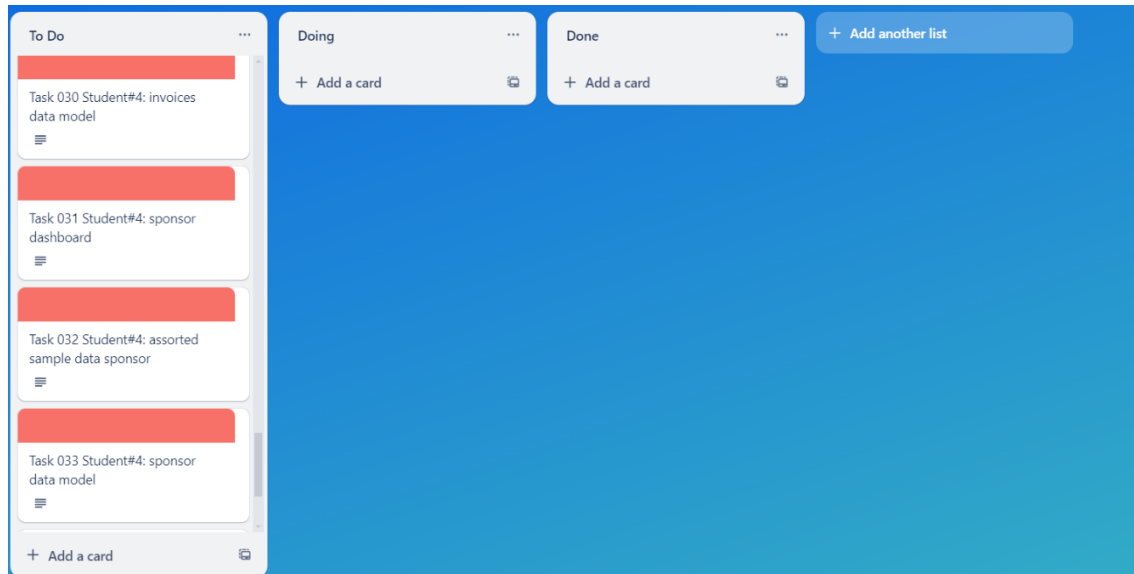


Image 1: First moment of task creation and assignation

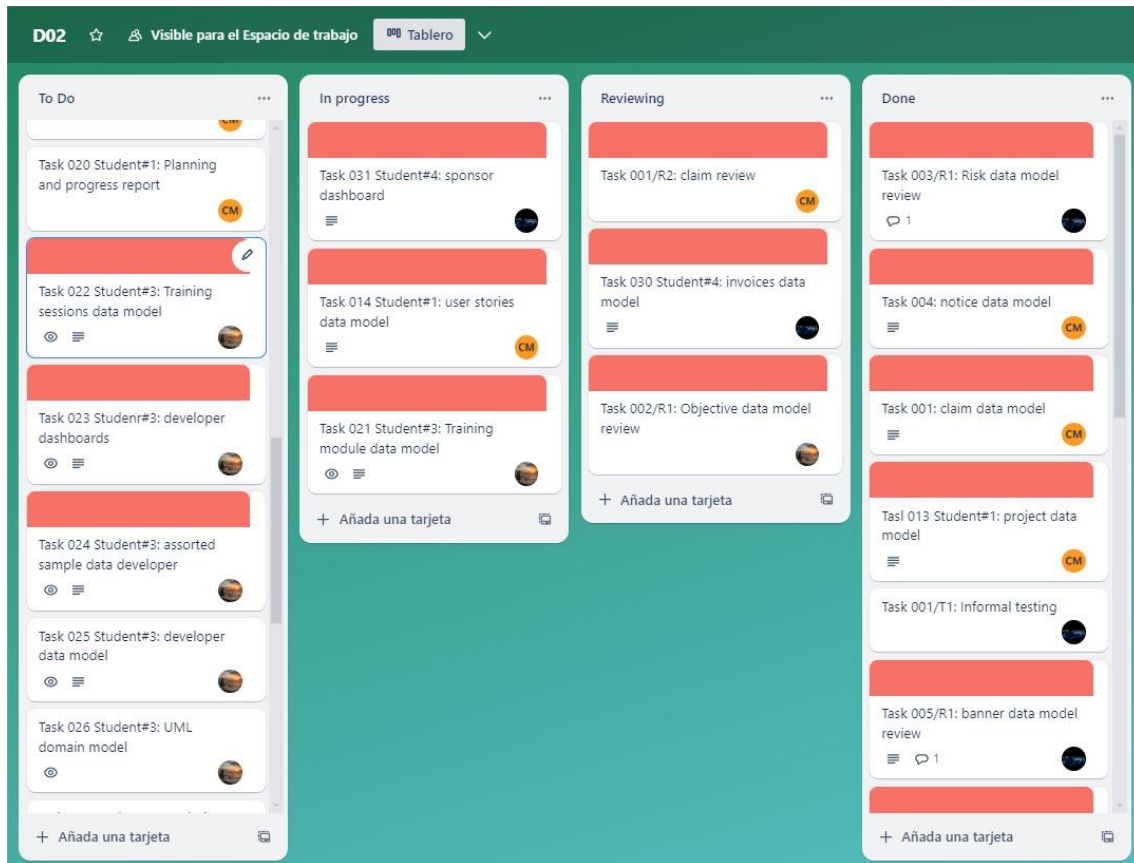


Image 2: Moment in the beginning of the development

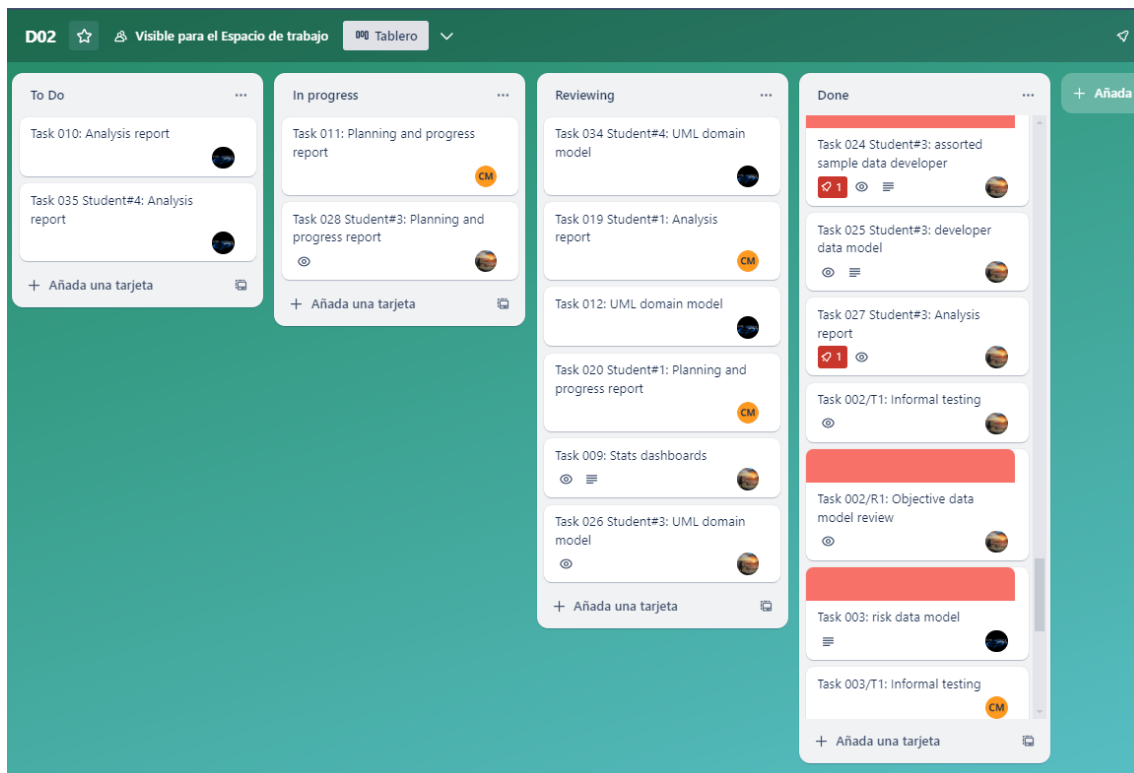


Image 3: Moment in the almost finishing development

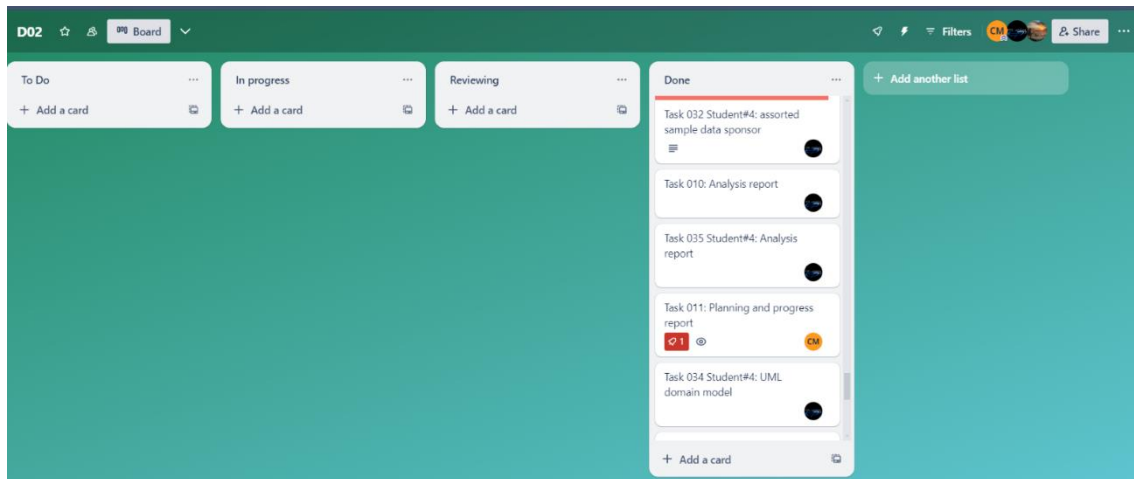


Image 4: Moment in the end of the development

In the provided images, we can observe how the workflow of the project's tasks has been evolving successfully along its development. It is worth mentioning that no formal testing tasks were performed due not being able to implement them yet.

There were some review tasks from the errors found when verifying data in consultation with the client that were handled successfully too.

Summarising the provided data, we can establish a budget approximation with an estimated cost to carry out the previous tasks:

Role	Estimated time	Cost per hour	Cost estimation
Developer	665 min	€20.00	€221.67
Analyst	390 min	€30.00	€195.00
Tester	60 min	€20.00	€20.00
Total estimated time:	1115 min	Total cost estimation:	€436.67

To calculate the total cost, it must be considered the amortization cost, which has been computed following the linear amortization formula described below:

$$\text{Annual amortization} = \frac{\text{initial cost} - \text{residual value}}{\text{number of years}}$$

Here, the initial cost represents the initial expense of the used equipment, considered as €800.00, and the residual value represents the value of the equipment after the designated period, considered as €260.00. This period has been established as three years, so that:

$$\text{Annual amortization} = \frac{800.00 - 260.00}{3} = €180.00$$

And regarding the monthly duration of deliverables, we would need the monthly amortization:

$$\text{Monthly amortization} = \frac{\text{annual amortization}}{12}$$

So that:

$$\text{Monthly amortization} = \frac{180.00}{12} = €15.00$$

Proceeding, the total cost estimation (including amortization) for the first deliverable would be:

$$\text{Total cost estimation} = 436.67 + 15.00 = €451.67$$

4.2 Progress chapter

The progress reports of the tasks carried out by the Student#3 in the first deliverable are described as follows:

Surname, name	Group tasks	Individual tasks	Testing tasks	Revision tasks generated	Overall performance
Rodríguez Millán, María C.	4/4	8/8	9/9	1	99% (great)

Following the guidelines defined in the chartering report, a task is considered done with a high level of performance whenever it is fulfilled before the designated deadline decided by the manager, which was the case of all the tasks carried out throughout this delivery. Therefore, the performance is qualified as “good performance”. The reward expected in this situation is passing the subject.

Fortunately again, no conflicts arose during the execution of the tasks for the Acme-SF project in its second deliverable.

Regarding the previous computed cost estimation, a comparison with the real cost after finishing the deliverable can be found as follows:

Role	Real time spent	Cost per hour	Real cost
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Developer	662 min	€20.00	€220.67
Analyst	307 min	€30.00	€153.5
Tester	43 min	€20.00	€14.33
Total real time:	1012 min	Total real cost:	€388.5

Proceeding, the total real cost (including amortization) for the first deliverable would be:

$$Total\ real\ cost = 388.5 + 15.00 = €403.5$$

So, as we can see with the previously calculated estimation and real costs, there is a difference of €33.17 between them, being higher the estimation than the real cost.

5. Conclusions

Based on the previous report and the study and detailed explanation that has been carried out for its elaboration, we can conclude that the evolution of the tasks has been successful and favourable, although some tasks needed review.

6. Bibliography

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