

DP2 2023-2024
Planning and progress report D04

Acme Software Factory



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

Group members:

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|-------------------------------|----------------------|
| • 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 |

GROUP C1.049

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Executive summary

In this report we will document the planning and the progress for the group tasks of the third delivery of the project. Cost estimation will be included.

Revision Table

Date	Version	Description of the changes	Sprint
19/05/2024	1.0	<ul style="list-style-type: none">• Executive summary• Introduction• Planned tasks, time and budget• Initial screenshots	4
24/05/2024	1.0	<ul style="list-style-type: none">• Actual tasks, time and budget• Final screenshots• Conclusion• Bibliography	4

Introduction

The fourth delivery comprises four main requirements, with two of which categorized as optional. One of these four was writing a complete test suite for a given previous requirement. Another one was writing a testing report commenting the tests made and analyzing the performance with their results. The two remaining ones were for writing extra reports. An initial setup and analysis also had to be done.

For each main task, a QA task is generated to accept it. If the result is negative, a review task will be created to solve the found issues.

In this group report we will also consider class attendance hours and meetings.

The team has decided to keep a GitHub project exclusively for the group tasks, so we will not see tasks for the individual delivery in the screenshots.

The content of this report is organized in two chapters: the planning chapter and the progress chapter.

The planning chapter includes:

- A listing with the tasks that have been performed to fulfil the requirements, for each task, providing the title, succinct description, assignee and role/s, planned time, and actual time.
- Some screenshots of different moments of the delivery development.
- A budget with the total estimated cost required to carry the previous tasks out. This includes the number of estimated hours (with details per role), the personnel cost (with details per role), the amortization cost, and the totals.

The progress chapter includes:

- A progress record, including an analysis of the team's performance indicators.
- A succinct description of the arisen conflicts and how we have addressed them.
- A comparison between the cost estimated in the previous planning and the real cost after finishing the deliverable. This includes the number of hours spent (with details per role), the personnel cost (with details per role), the amortization cost, and the totals.

Contents

Planning

Listing by tasks

Tasks	Description	Assignees	Roles	Planned hours	Actual hours
Analysis	Analyse requirements and generate tasks	Rafael Daniel Raúl Luis Adriana	Analyst	1h (each)	52 min (each)
Pre G00-06	Modify name of project.	Rafael	Developer	5 min	6 min
QA G00-06	QA for G00-05	Daniel	Tester	2 min	2 min
G33-1	Fix Money exchange-rate.	Rafael	Developer	4 h	5 h 28 min
QA G33-1	QA for G33-1	Raúl	Tester	20 min	12 min
G13	Testing suit for Banner operations by administrators.	Luis	Tester	2 h	1 h 53 min
QA G13	QA for G13.	Daniel	Tester	20 min	16 min
G14-1	Testing report (functional).	Daniel	Tester	45 min	1 h 38 min
QA G14-1	QA for G14-1.	Raúl	Tester	10 min	5 min
G14-2	Testing report (performance)	Adriana	Tester	1 h 15 min	1 h 1 min
QA G14-2	QA for G14-2.	Raúl	Tester	10 min	3 min
G00-07	Final revision + lint report update.	Adriana	Tester	30 min	43 min
QA G00-07	QA for G00-07.	Luis	Tester	15 min	7 min
G38	Analysis report	Raúl	Analyst	30 min	16 min
QA G38	QA of G38.	Rafael	Tester	10 min	6 min
G39	Planning and progress report.	Rafael	Manager	1 h 30 min	2 h 3 min
QA G39	QA of G39.	Raúl	Tester	10 min	4 min
Class attendance S01	Class attendance S01.	Rafael	All	12 h 50 min	12 h 50 min
Class attendance S02	Class attendance S02.	Daniel	All	12 h 50 min	12 h 50 min
Class attendance S03	Class attendance S03.	Raúl	All	12 h 50 min	12 h 50 min
Class attendance S04	Class attendance S04.	Luis	All	12 h 50 min	12 h 50 min
Class attendance S05	Class attendance S05.	Adriana	All	12 h 50 min	12 h 50 min
D04 deployment	Delivery (deployment).	Raúl	Deployer	10 min	10 min

QA D04 deployment	QA of D04 deployment.	Adriana	Tester	5 min	5 min
Meeting: 07/05/24	Sprint planning meeting 07/05/24.	Rafael Daniel Raúl Luis Adriana	All	45 min	53 min
General management	General management.	Rafael	Manager	2 h 30 min.	3 h 50 min

Screenshots

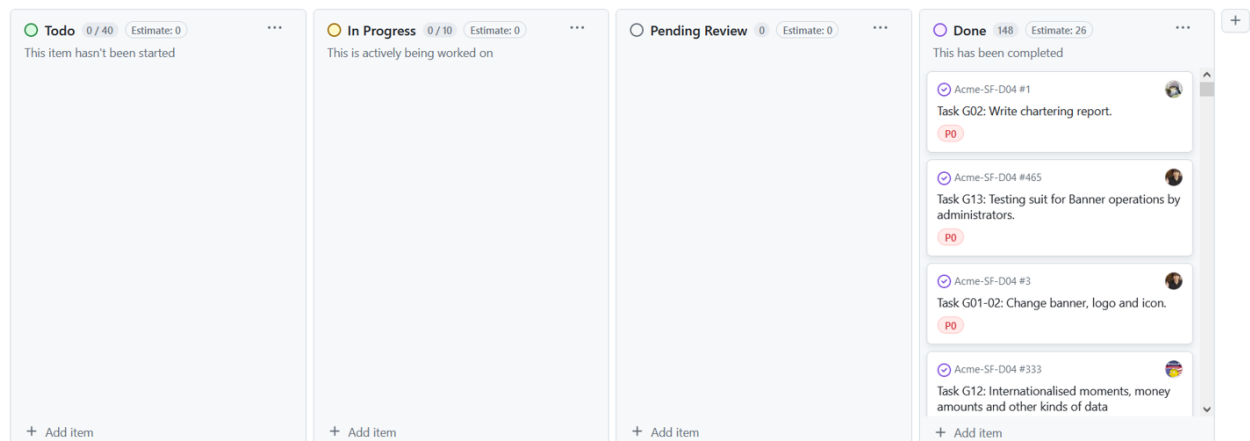
1. Initial state of tasks

The screenshot shows a Kanban board with four columns: **Todo** (23 / 40, Estimate: 0), **In Progress** (0 / 10, Estimate: 0), **Pending Review** (0, Estimate: 0), and **Done** (129, Estimate: 26). The **Todo** column contains four tasks: Task G13: Testing suit for Banner operations by administrators (P0), Task G14-1: Testing report (functional) (P0), Task G14-3: Testing report (performance) (P0), and Task G00-07-1: Final touches (P0). The **In Progress** column is empty. The **Pending Review** column is empty. The **Done** column contains four tasks: Task G02: Write chartering report (P0), Task G01-02: Change banner, logo and icon (P0), Task G12: Internationalised moments, money amounts and other kinds of data (P0, S, S), and Task G01-03: Grasp the Fragments (P0).

2. Intermediate state of tasks

The screenshot shows a Kanban board with four columns: **Todo** (16 / 40, Estimate: 0), **In Progress** (1 / 10, Estimate: 0), **Pending Review** (1, Estimate: 0), and **Done** (132, Estimate: 26). The **Todo** column contains four tasks: Extra Task G38: Analysis report (P1), Extra Task G39: Planning and Progress report (P1), QA G13: Testing suit for Banner operations by administrators (P2), and an empty task (P0). The **In Progress** column contains one task: Task G14-1: Testing report (functional) (P0). The **Pending Review** column contains one task: Task G13: Testing suit for Banner operations by administrators (P0). The **Done** column contains five tasks: D02 Class Attendance S05, D02 Class Attendance S04, D02 Class Attendance S03, D02 Class Attendance S02, and D02 Class Attendance S01.

3. Final state of tasks



Planned budget per role

We will count the time the manager would spend in general management.

The class attendance and meeting hours will be equally distributed among all roles but deployer. This will mean an additional 16 hours 14 min for each role but deployer.

Role	Planned time	Personnel costs (€/h)	Total cost (€)
Manager	20 h 14 min	30	607.00
Analyst	17 h 44 min	30	532.00
Developer	20 h 19 min	20	406.33
Tester	22 h 41 min	20	454.33
Deployer	10 min	20	3.33
TOTAL			2034.00

To calculate the amortization, we will consider a useful life of three years and a total equipment value of 4800 €.

$$\begin{aligned} \text{Amortization} &= (\text{equipment value} + \text{residual value}) / \text{useful life} = \\ &= (4800 - 0.35 \cdot 4800) / 3 = 3120 / 3 = 1040 \text{ €} \end{aligned}$$

Without sale expectancy, the residual value would be 0 and the amortization, 1600 €.

The monthly amortization considering sale expectancy plus the sprint personnel cost would sum up to 2120.66 €.

Progress

Actual budget

We will count the time the manager has spent in general management.

The class attendance and meeting hours will be equally distributed among all roles but deployer. This will mean an additional 16 hours and 16 minutes for each role but deployer.

Role	Actual time	Personnel costs (€/h)	Total cost (€)
Manager	22 h 9 min	30	664.50
Analyst	20 h 52 min	30	623.00
Developer	22 h 50 min	20	456.67
Tester	19 h 54 min	20	398.00
Deployer	10 min	20	3.33
TOTAL			2145.50

To calculate the amortization, we will consider a useful life of three years and a total equipment value of 4800 €.

$$\text{Amortization} = (\text{equipment value} + \text{residual value}) / \text{useful life} = \\ = (4800 - 0.35 \cdot 4800) / 3 = 3120 / 3 = 1040 \text{ €}$$

Without sale expectancy, the residual value would be 0 and the amortization, 1600 €.

The monthly amortization considering sale expectancy plus the sprint personnel cost would sum up to 2232.16 €.

Budget comparison

Role	Planned time	Actual time	Time difference	Planned cost (€)	Actual cost (€)	Difference of cost (€)	Planned amortization (€)	Actual amortization (€)	Amortization difference (€)
Manager	20 h 14 min	22 h 9 min	+ 1 h 55 min	607.00	664.50	+ 57.50	1040.00	1040.00	1040.00
Analyst	17 h 44 min	20 h 52 min	+3 h 8 min	532.00	623.00	+ 91.00			
Developer	20 h 19 min	22 h 50 min	+ 2 h 31 min	406.33	456.67	+ 50.33			
Tester	22 h 41 min	19 h 54 min	- 2 h 47 min	454.33	398.00	- 56.33			
Deployer	10 min	10 min	+ 0 h	3.33	3.33	+ 0			
TOTAL			+ 4 h 47 min			+ 142.50	1040.00	1040.00	+0

Conflicts

The first conflict that was found was that once we had begun our formal testing, some changes had to be done with respect to the data model. That caused the identifiers to change and make the tests fail. We remade the tests.

The second conflict that arose was derived from the first one. After fixing the money-exchange feature, a new CSV file had to be added. Some solutions were found but at the end the team decided not to include the feature in the final delivery, even if it was finished, just in case the delivery format would not be appropriate or an error could be found damaging

the project, considering the small weight of that optional group requirement in the total grade.

The third conflict was that phantom requests appeared framework in the result of the testing, and we had to import and link a new version of the framework. Nothing serious.

Progress record

Group member	Planned tasks	Completed tasks	Completeness percentage	Serious revision tasks	Performance
Rafael (S1)	7	7	100 %	0	Performing well
Daniel (S2)	5	5	100 %	0	Performing well
Raúl (S3)	8	8	100 %	0	Performing well
Luis (S4)	4	4	100 %	0	Performing well
Adriana (S5)	5	5	100 %	0	Performing well

For the main tasks we have not considered Review tasks, for they are implicit in this result table.

The results show an excellent performance practically by the whole group in this delivery. This analysis is based on the criteria defined in the chartering report: percentage of completed tasks and number of serious revision tasks generated. For a review task to be considered serious, it must take to be completed more than half the time the original task took.

Conclusions

It has been a very positive fourth and final delivery. The load of work and difficulty has been considerably lower than in the previous delivery. All work has been done well, one last time, and we have tried to solve all remaining issues from the previous deliveries. We are very happy with the work and the effort the team put in and we hope to have achieved with it the maximum grade for this whole project. But even if we don't reach it, the effort has been worth it.

Bibliography

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