DP2 2023-2024
Planning and progress report D03

Acme Software Factory

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GROUP C1.049

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Content Table

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
06/04/2024	1.0	- Executive summary - Introduction - Planned tasks, time and budget - Initial screenshots	3
29/04/2024	1.0	- Actual tasks, time and budget - Final screenshots - Conclusion - Bibliography	3
08/05/2024	1.1	Fix delivery number	4

Introduction

The third delivery comprises seventeen main tasks, with twelve of which categorized as optional. One of these seventeen was for initial setup, ten were functional requirements for implementing features for certain roles on certain objects, three non-functional requirements and three were for writing reports.

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 G00-05	Modify name of project.	Rafael	Developer	10 min	7 min
QA G00-05	QA for G00-05	Daniel	Tester	2 min	3 min
G09	Claim operations by any.	Adriana	Developer	3 h 30 min	2 h 09 min
QA G09	QA for G09.	Rafael	Tester	15 min	25 min
G10	Banner operations by any.	Luis	Developer	2 h	2 h
QA G10	QA for G10.	Raúl	Tester	15 min	13 min
G11	Banner operations by administrator.	Luis	Developer	4 h 30 min	5 h 46 min
QA G11	QA for G11.	Rafael	Tester	15 min	38 min
G12	Internationalize moments, money amounts and Booleans.	Raúl	Developer	2 h	12 min
QA G12	QA for G12.	Adriana	Tester	15 min	5 min
G26	System configuration operations by administrators.	Adriana	Developer	1 h 45 min	30 min
QA G26	QA for G26.	Rafael	Tester	15 min	7 min
G27	Operations by authenticated principals on objectives.	Daniel	Developer	3 h	3 h 11 min
QA G27	QA of G27	Luis	Tester	15 min	7 min
G28	Operations by administrators on objectives.	Daniel	Developer	2 h	4 h 21 min
QA G28	QA of G28.	Luis	Tester	15 min	11 min
G29	Risk operations by authenticated.	Rafael	Developer	2 h	56 min
QA G29	QA of G29	Raúl	Tester	15 min	11 min
G30	Risk operations by administrators.	Rafael	Developer	4 h	3 h 38 min
QA G30	QA of G30	Adriana	Tester	15 min	17 min
R G30	Review of G30.	Rafael	Developer	-	17 min
G31	Notice operations by authenticated	Raúl	Developer	3 h	3 h 11 min
QA G31	QA of G31	Rafael	Tester	15 min	11 min
R G31	Review of G31	Raúl		-	7 min
G32	Operations by administrators on	Daniel	Developer	1 h 30 min	3 h 26 min

|					
	administrator dashboards				
QA G32	QA of G21.	Raúl	Tester	15 min	5 min
G33	Money exchange-rate.	Rafael	Developer	2 h 30 min	1 h 42 min
QA G33	QA of G33.	Raúl	Tester	15 min	5 min
G34	Spam detector	Luis	Developer	2 h 30 min	8 h 24 min
QA G34	QA of G34	Adriana	Tester	15 min	13 min
G35	Analysis report	Raúl	Analyst	2 h	1 h 14 min
QA G35	QA of G35.	Luis	Tester	15 min	14 min
G36	Planning and progress report.	Rafael	Manager	2 h	2 h 16 min
QA G36	QA of G36.	Daniel	Tester	15 min	15 min
G37	Lint report	Adriana	Developer	1 h	1 h
QA G37	QA of G37	Rafael	Tester	15 min	23 min
Class attendance S01	Class attendance S01.	Rafael	All	18 h 20 min	18 h 20 min
Class attendance S02	Class attendance S02.	Daniel	All	18 h 20 min	18 h 20 min
Class attendance S03	Class attendance S03.	Raúl	All	18 h 20 min	18 h 20 min
Class attendance S04	Class attendance S04.	Luis	All	18 h 20 min	18 h 20 min
Class attendance S05	Class attendance S05.	Adriana	All	18 h 20 min	18 h 20 min
D03 deployment	Delivery (deployment).	Raúl	Deployer	10 min	10 min
QA D03 deployment	QA of D03 deployment	Luis	Tester	5 min	5 min
Meeting: 11/04/24	Pre-Follow up meeting 11/04/2024.	Rafael Daniel Raúl Luis Adriana	All	45 min	39 min
General management	General management.	Rafael	Manager	2 h 30 min.	4 h 14 min

Screenshots

1. Initial state of tasks
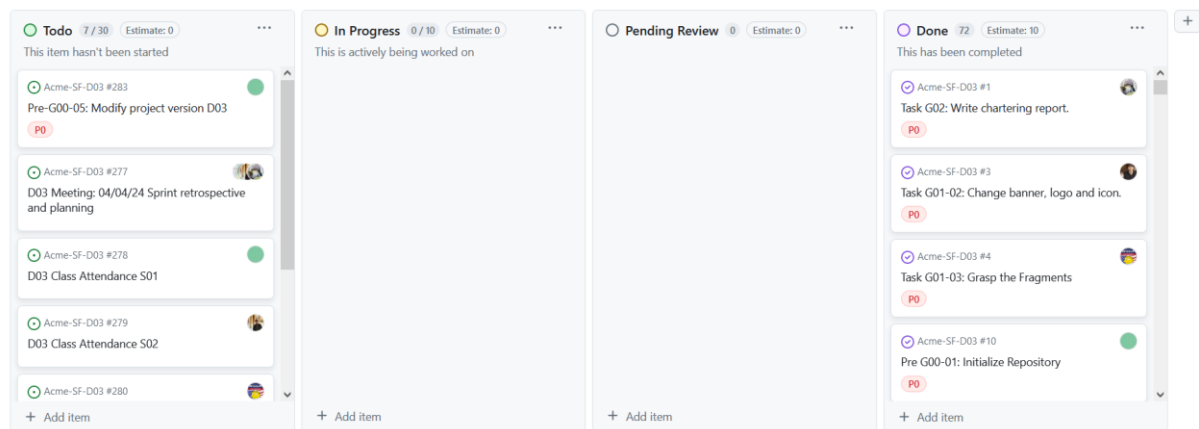
2. Intermediate state of tasks
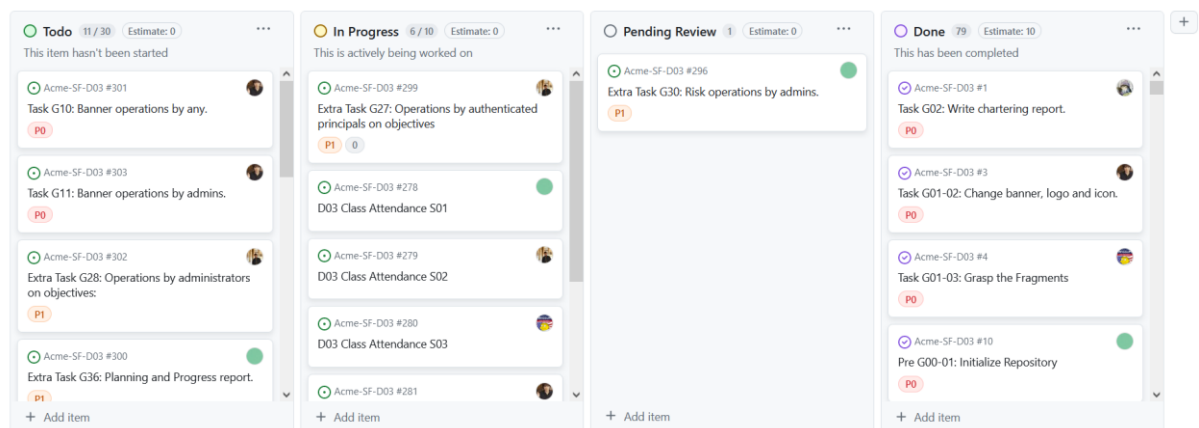
3. Final state of tasks
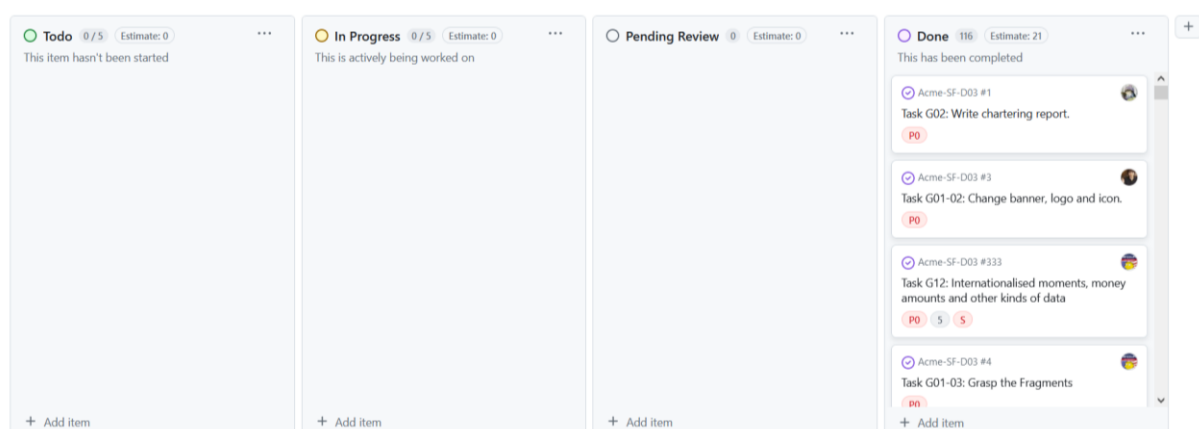
Planned budget per role

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 23 h 6 min for each role but deployer.

Role	Planned time	Personnel costs (€/h)	Total cost (€)
Manager	27 h 36 min	30	828.00
Analyst	30 h 6 min	30	906.00
Developer	58 h 46 min	20	1177.67
Tester	27 h 13 min	20	545.67
Deployer	10 min	20	3.33
TOTAL			3460.67

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

Amortization = (equipment value + residual value) / useful life =
= (4800 - 0.35*4800) / 3 = 3120 / 3 = 1040 €

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 3547.34 €.

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 23 hours and 5 minutes for each role but deployer.

Role	Actual time	Personnel costs (€/h)	Total cost (€)
Manager	28 h 45 min	30	862.50
Analyst	28 h 39 min	30	859.0
Developer	60 h 37 min	20	1212.34
Tester	26 h 53 min	20	537.66
Deployer	10 min	20	3.33
TOTAL			3474.83

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

Amortization = (equipment value + residual value) / useful life =
= (4800 - 0.35*4800) / 3 = 3120 / 3 = 1040 €

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 3561.50 €.

Budget comparison

Role	Planned time	Actual time	Time difference	Planned cost (€)	Actual cost (€)	Difference of cost (€)	Planned amortization (€)	Actual amortization (€)	Amortization difference (€)
Manager	27 h 36 min	28 h 45 min	+ 1 h 9 min	828.00	862.50	+ 34.50			
Analyst	30 h 6 min	28 h 39 min	- 1 h 27 min	906.00	859.50	- 46.50			
Developer	58 h 46 min	60 h 37 min	+ 1 h 51 min	1177.67	1212.34	+ 34.67	1040.00	1040.00	1040.00
Tester	27 h 13 min	26 h 53 min	- 20 min	545.67	537.66	- 8.01			
Deployer	10 min	10 min	+ 0 h	3.33	3.33	+ 0			
TOTAL			+ 1 h 13 min			+ 14.59	1040.00	1040.00	+0

Conflicts

Some aspects of certain features were postponed by the client due to some misinterpretation in the analysis of the project. Daniel had some problems with one if his tasks and the team helped him. And the difficulty of the spam detector feature was considerably higher than expected.

Progress record

Group member	Planned tasks	Completed tasks	Completeness percentage	Serious revision tasks	Performance
Rafael (S1)	8	8	100 %	0	**Performing well**
Daniel (S2)	6	5*	83 %	0	**Decently good**
Raúl (S3)	6	6	100 %	0	**Performing well**
Luis (S4)	6	6	100 %	0	**Performing well**
Adriana (S5)	6	6	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.

Daniel couldn't complete one of his tasks by his own. (*) The task was later solved together by the whole team. Still, the work was almost fully done; there was just one minor error that he could not find. Nothing too serious.

Conclusions

It has been a very positive third delivery. The load of work has been considerably higher than in the previous ones, even if not so much the difficulty. All work has been done well, and we are eager to keep improving and keep aiming for the maximum grade for the final delivery.

Bibliography

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