DP2 2023-2024
Planning and progress report

Acme Software Factory

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

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GROUP C1.049

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Content Table

Contenido

Executive summary

This report will outline the planning, progress, and cost estimation of the individual tasks for the fourth delivery.

Note that this report focuses exclusively on the individual tasks assigned to student number 4. For that reason, I will be playing all the roles, more specifically, manager, analyst, and developer.

Revision Table

Date	Version	Description of the changes	Sprint
16/05/2024	1.0	• Executive summary • Introduction • Content • Actual time and comparison • Final screenshots • Conclusion • Bibliography	4

Introduction

For the fourth delivery Student #4 was expected to carry out two mandatory tasks and two optional assignments.

The mandatory tasks requested the production of testing suites for the features related to the role Sponsor and the corresponding testing report.

With respect to documents, the Analysis and Planning Report are demanded as usual.

The team has decided to keep a GitHub project organization exclusively for the group tasks and 5 private ones for individual assignments; that's why only my individual tasks will be seen in the screenshots of this report.

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:

- My progress record, including an analysis of my performance indicators.
- A succinct description of the arisen conflicts and how I 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.

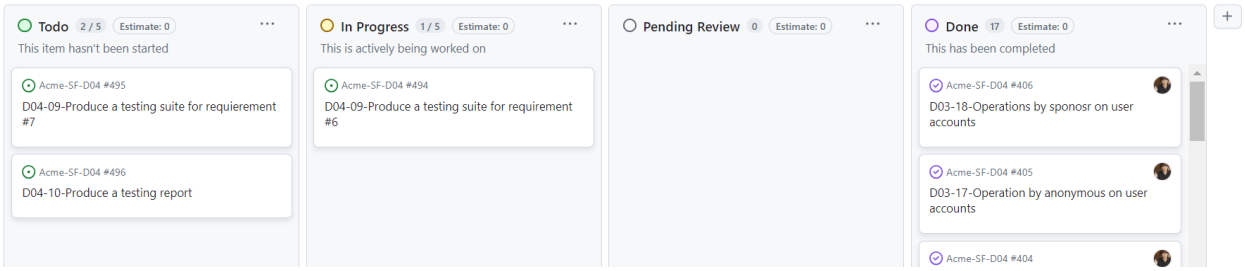
Contents

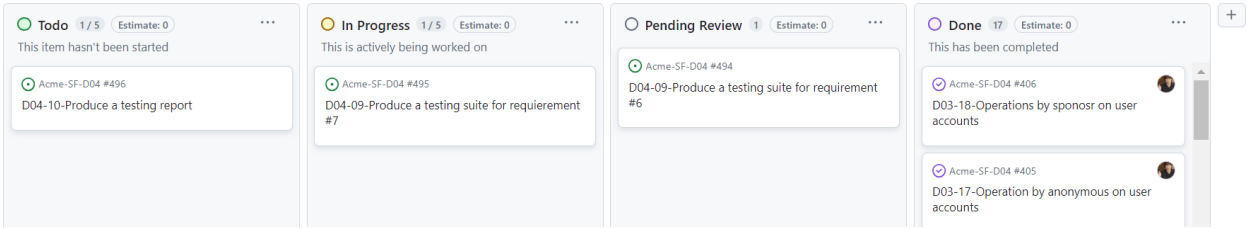
Planning

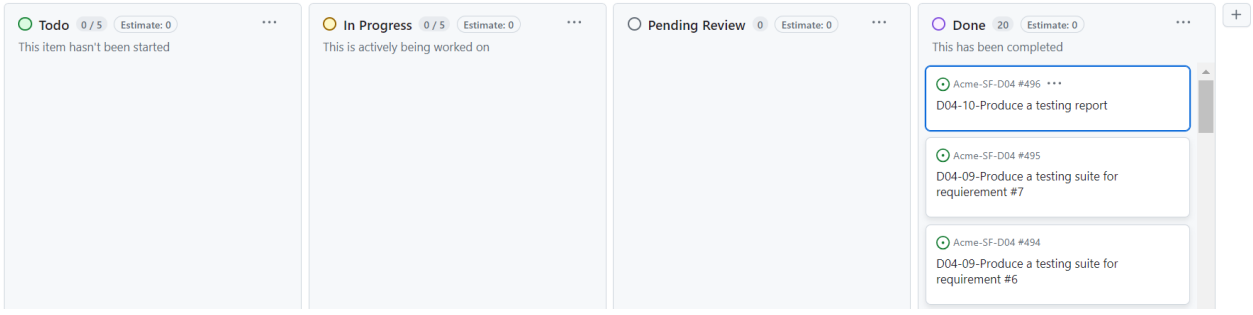
Listing

Tasks	Description	Assignees	Role	Planned hours	Actual hours
D04-09	Testing suite.	Luis Mellado Díaz	Manager, Analyst Developer and Tester.	4 h.	5 h 54 min.
D04-10	Testing report.			2 h.	1 h 37 min.
D04-23	Analysis report.			1 h.	24 min.
D04-23	Planning and progress report.			1 h 30 min.	50 min

Screenshots







Planned budget

Role	Planned time	Personnel costs (€/h)	Total cost (€)
Manager	1 h	30	30.00
Analyst	1 h	30	30.00
Developer	0 h	20	0.00
Tester	4 h	20	80.00
Deployer	0 h	20	0.00
TOTAL			140.00

Amortization = (700 - 0.35*700) / 3 = 455 / 3 = 151.67 €

This amortization is calculated for a span of 3 years. For the equipment, only the laptop has been considered. Notice that the value of the laptop is expected to be depreciated a 35%.

Monthly amortization: 151.67 / 12 = 12.64 €

Sprint3 expected total = 140.00 + 12.64 = **152.64 €**

Progress

Actual budget

Role	Time	Personnel costs (€/h)	Total cost (€)
Manager	1 h	30	30.00
Analyst	24 min	30	12.00
Developer	2h	20	40.00
Tester	5 h 54 min	20	118.00
Deployer	0 h	20	0.00
TOTAL			200.00

Amortization = (700 - 0.35*700) / 3 = 455 / 3 = 151.67 €

This amortization is calculated for a span of 3 years. For the equipment, only the laptop has been considered. Notice that the value of the laptop is expected to be depreciated a 35%.

Monthly amortization: 151.67 / 12 = 12.64 €

Sprint4 total = 200.00 + 12.64 = **212.64 €**

Budget comparison

Role	Planned time	Actual time	Time difference	Planned cost (€)	Actual cost (€)	Difference of cost (€)	Planned monthly amortization (€)	Actual monthly amortization (€)	Monthly amortization difference (€)
Manager	1 h	1 h.	+ 0 min.	30.00	30.00	+ 0.00	12.64	12.64	+ 0
Analyst	1 h	24 min	- 36 min.	30.00	12.00	- 18.00			
Developer	0 h.	2 h.	+ 2 h.	0.00	40.00	+ 40.00			
Tester	4 h.	5 h 54 min.	+ 1 h 54 min.	80.00	118.00	+ 38.00			
Deployer	0 h.	0 h.	+ 0 h.	0.00	0.00	+ 0.00			
TOTAL			**+ 3h 18min**			**+ 60.00**			**+0**

Sprint4 difference = 212.64 - 152.64 = 60.00 €

Conflicts

This planning and progress report the best time estimation so far. Even though the planning was very accurate still more working hours were required.

This extra time was invested in solving the bugs found during the testing phase and refactoring the code. It is true that estimating 0 hours for the role developer was a mistake since no matter how good you write code there is always improvement potential.

Progress record

Luis Mellado Díaz – Student #4, at 21/04/2024.
Let us analyze my individual tasks based on the performance metrics defined in the group charting report.

Clarification: It must be noted that since the same person plays all roles, it would not have been any practical to create an analysis (QA) after the completion of each task to then be reviewed by the same person again, something that must have been performed before deeming it done in first place. However, if after considering a task finished a mistake is found, a QA task will be carried out to solve the problem.

- Performance percentage: Performance = CompletedTasks / TotalTasks * 100 = (4/4)*100 = 100% > 70% -> **Great Performance**
- Number of revision tasks: 0 revision task.
  Serious revisions/Total tasks * 100 = 0/8 * 100 = 0% < 20% -> **Great Performance**

Conclusions

To sum up, all tasks were completed on schedule and with the expected quality. Thanks to this delivery I have understood the importance of testing and how to use the code coverage metric to study the behavior of my code. Furthermore, the performance testing was something completely new for me and I think it will be very useful in my professional career.

Bibliography

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