DP2 2023-2024
Planning and progress report

Acme Software Factory

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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 third 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
21/04/2024	1.0	• Executive summary • Introduction • Content • Actual time and comparison • Final screenshots • Conclusion • Bibliography	3

Introduction

For the third delivery Student #4 was expected to carry out three mandatory tasks and six optional assignments.

The mandatory tasks requested the implementation of features related to the treatment of sponsorships and invoices by the role sponsor.

The supplementary assignments requested the read operations over sponsorships by any as well as the features related with a sponsor user account. With respect to documents, the Analysis and Planning Report are demanded as usual. Finally, I must produce a Lint Report.

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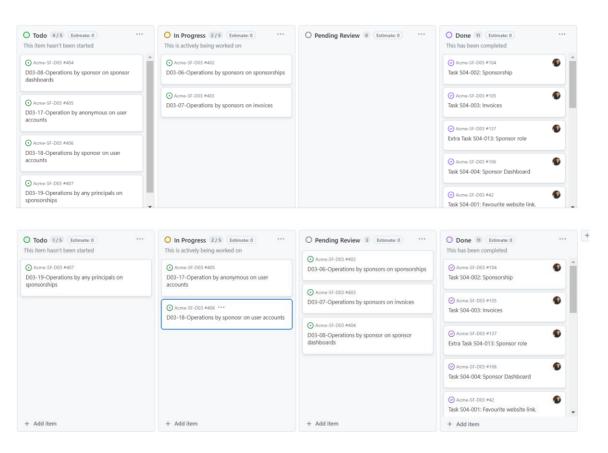- My progress record, including an analysis of my performance indicators.
- A succinct description of the arisen conflicts and how I have addressed them.
- A comparison between the cost estimated in the previous planning and the real cost after finishing the deliverable. This includes the number of hours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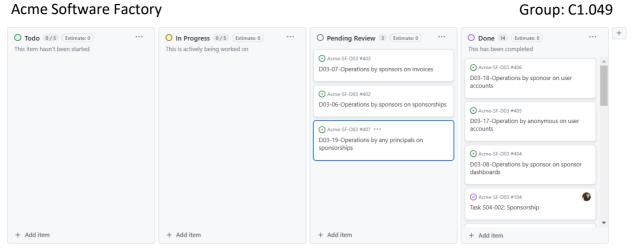
Contents

Planning

Listing

Tasks	Description	Assignees	Role	Planned hours	Actual hours
D03-06	Operations by sponsor on sponsorships.	Luis Mellado Díaz	Manager, Analyst Developer and Tester.	4 h.	5 h 54 min.
D03-07	Operations by sponsor on invoices.			4 h.	5 h 37 min.
D03-08	Operations by sponsor on sponsor dashboard.			2 h.	34 min.
D03-17	Sign up to become a sponsor.			2 h.	50 min
D03-18	Sponsor profile update.			1h	20 min.
D03-19	Operations by any on sponsorships.			1 h 30min.	1 h.
D03-20	Production of an analysis report.			1 h.	55 min.
D03-21	Production of a planning and progress report.			1 h.	1 h 12 min.
D03-22	Lint report.			1 h 30 min.	1h 30 min.

Screenshots

Acme Software Factory

○ Todo 0/5 Estimate: 0 ⋯	○ In Progress 0/5 Estimate: 0 ⋯	○ Pending Review 3 Estimate: 0 ⋯	○ Done 14 Estimate: 0 ⋯
This item hasn't been started	This is actively being worked on		This has been completed

Pending Review

⊙ Acme-SF-D03 #403
D03-07-Operations by sponsors on invoices

⊙ Acme-SF-D03 #402
D03-06-Operations by sponsors on sponsorships

⊙ Acme-SF-D03 #407 ⋯
D03-19-Operations by any principals on sponsorships

Done

⊙ Acme-SF-D03 #406
D03-18-Operations by sponosr on user accounts

⊙ Acme-SF-D03 #405
D03-17-Operation by anonymous on user accounts

⊙ Acme-SF-D03 #404
D03-08-Operations by sponsor on sponsor dashboards

⊘ Acme-SF-D03 #104
Task S04-002: Sponsorship

+ Add item   + Add item   + Add item   + Add item

Planned budget

Role	Planned time	Personnel costs (€/h)	Total cost (€)
Manager	1 h	30	30.00
Analyst	1 h	30	30.00
Developer	12h 30 min	20	250.00
Tester	1 h 30 min	20	30.00
Deployer	0 h	20	0.00
TOTAL			340.00

$$A = \frac{\text{VALOR INICIAL} - \text{VALOR RESIDUAL}}{\text{VIDA ÚTIL}}$$

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 = 340.00 + 12.64 = **352.64 €**

Progress

Actual budget

Role	Time	Personnel costs (€/h)	Total cost (€)
Manager	1 h 12 min	30	36.00
Analyst	55 min	30	27.50
Developer	14h 30 min	20	290.00
Tester	1 h 30 min	20	30.00
Deployer	0 h	20	0.00
TOTAL			383.50

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 €

Sprint 2 total = 383.50 + 12.64 = **396.14 €**

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 12 min	+ 12 min	30.00	36.00	+ 6.00			
Analyst	1 h	55 min	-5 min	30.00	27.50	- 2.50	12.64	12.64	+ 0
Developer	12 h 30 min	14h 30 min	+ 2h	250.00	290.00	+ 40.00			
Tester	1 h 30 min	1 h 30 min	+ 0 h	30.00	30.00	+ 0.00			
Deployer	0 h	0	+ 0 h	0.00	0.00	+ 0.00			
TOTAL			+ 4h 10min			+ 92.30			+0

Sprint3 difference = 396.14 - 352.64 = 48.50 €

Conflicts

This planning and progress report reflects a much better time estimation than its sprint 2 counterpart. Even though the planning was more accurate still more working hours were required.

This extra time, mostly in developer tasks, is due to the appearance of unexpected errors. The lack of experience with Acme Framework services and controllers lead to dumb errors that took a lot of time to figure out.

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 = (9/9)*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 the time estimation was quite accurate this time. Thanks to this delivery, through trial and error, I consider I have understood the insights of services and controllers and I would feel confident if I had to implement new features.

Bibliography

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