DP2 2023-2024
Planning and progress report

Acme Software Factory

Repository: https://github.com/rafcasceb/Acme-Software_Factory-C1.049

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GROUP C1.049

Version 1.0

17-02-24

Content Table

Contenido

Executive summary

This report will outline the planning, progress, and cost estimation of the individual tasks for the first 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. Tester and deployer roles are not implied in the initial delivery phase.

Revision Table

Date	Version	Description of the changes	Sprint
17/02/2024	1.0	• Executive summary • Introduction • Content • Actual time and comparison • Final screenshots • Conclusion • Bibliography	1
18/02/2024	1.1	• Revision on amortization	1

Introduction

For the first delivery we were expected to carry out one mandatory task and two optional assignments. The first task involved the addition of a link to our favorite website to the anonymous menu. The other assignments were writing an analysis report and this planning and progress 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 onlymy 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	Roles	Planned hours	Actual hours
D01-1	Modify the anonymous menu so that it shows an option that takes the browser to the home page of your favorite web site.	Luis Mellado Díaz	Manager Analyst Developer	20 min.	
D01-11	Produce an analysis report.			1 h.	
D01-12	Produce a planning and progress report.			1 h.	

Screenshots

2024/02/16

2024/02/17

2024/02/18

🔒 Student 4: Luis Mellado - individual work   Add status update

| 🔲 Backlog ▾ | ⊞ Team capacity | 🗓 Current iteration | 📄 Roadmap | ⊞ My items | + New view |

≡ Filter by keyword or by field

🟢 Todo 0 / 5 (Estimate: 0) ···
This item hasn't been started

🟡 In Progress 1 / 5 (Estimate: 0) ···
This is actively being worked on

⊙ Acme-SF-D01 #64
Revision S04-003: Depreciation error

🟣 Done 3 (Estimate: 0) ···
This has been completed

⊘ Acme-SF-D01 #42
Task S04-001: Favourite website link.

⊘ Acme-SF-D01 #54
Extra Task S04-002: Analysis report

⊘ Acme-SF-D01 #55
Extra Task S04-003: Planning and progress Report

+ Add item   + Add item   + Add item

🔒 Student 4: Luis Mellado - individual work   Add status up

| 🔲 Backlog ▾ | ⊞ Team capacity | 🗓 Current iteration | 📄 Roadmap | ⊞ My items | + New view |

≡ Filter by keyword or by field

🟢 Todo 0 / 5 (Estimate: 0) ···
This item hasn't been started

🟡 In Progress 0 / 5 (Estimate: 0) ···
This is actively being worked on

🟣 Done 4 (Estimate: 0) ···
This has been completed

⊘ Acme-SF-D01 #54
Extra Task S04-002: Analysis report

⊘ Acme-SF-D01 #55
Extra Task S04-003: Planning and progress Report

⊙ Acme-SF-D01 #64 ···
Revision S04-003: Depreciation error

+ Add item   + Add item   + Add item

Planned budget

Role	Planned time	Personnel costs (€/h)	Total cost (€)
Manager	1 h	30	30
Analyst	1 h	30	30
Developer	30 min	20	10
Tester	0 h	20	0
Deployer	0 h	20	0
TOTAL			70.00

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

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 €

Sprint1 expected total = 70.00 + 12.64 = **82.64 €**

Progress

Actual budget

Role	Actual time	Personnel costs (€/h)	Total cost (€)
Manager	1 h 20 min	30	40.00
Analyst	28 min	30	14.00
Developer	31 min	20	10.33
Tester	0	20	0
Deployer	0	20	0
TOTAL			**64.33**

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 €

Sprint1 expected total = 64.33 + 12.64 = **76.97 €**

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 20 min	+ 20 min	30.00	40.00	+10.0			
Analyst	1 h	28 min	- 32 min	30.00	14.00	- 16.00	12.64	12.64	+ 0
Developer	20 min	31 min	+ 11 min	10.00	10.33	+0.33			
Tester	0 h	0 h	+ 0 h	0	0	+0			
Deployer	0 h	0 h	+ 0 h	0	0	+0			
TOTAL			- 1 min			- 5.67			+0

Sprint1 difference = 76.97 - 82.64 = **- 5.67 €**

Conflicts

The analysis document was completed 32 minutes ahead of schedule, while the planning and progress report took 20 minutes longer than anticipated. This was mainly because the requirements for delivery 1 were less complicated than expected. Regarding the planning and progress report, I believe I underestimated the time needed. For future deliveries, I will allocate 1 hour and 30 minutes as the estimated time.

After the completion of this planning and progress report, a minor mistake was found in the amortization formula. After some researching, I found that out I misunderstood the concept of depreciation, and I applied the formula in a wrong way. The fix took a couple minutes.

Progress record

Luis Mellado Díaz – Student #4, at 17/02/2024.
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 review 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 = 3/3
- Number of revision tasks: 1 revision task.

Conclusions

To sum up, all tasks were completed on schedule, and I have familiarized myself with the framework and methodologies. The only considerable mistakes were underestimating the time required time for the planning and progress report and the bad use of the amortization formula. On the other hand, the general time and money estimation was pretty accurate.

Bibliography

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