

DP2 2023-2024
Planning and Progress Report

Acme Software Factory



Repository: <https://github.com/rafcasceb/Acme-SF-D02>

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Abstract

This report outlines the planning and progress of individual tasks assigned to student 5 in the second delivery of the project. As student number 5, all roles are assumed for each task, adhering to the project's requirement for individual task performance.

Revision Table

Date	Version	Description of the changes	Deliverable
04/02/2024	V1	<ul style="list-style-type: none">• Abstract.• Introduction.• Contents section: planning and progress.• Conclusion.	2

Introduction

In this second delivery phase, our attention is divided into fulfilling a set of obligatory and optional requirements. The obligatory segment encompasses three information requirements and one testing requirement. Concurrently, within the optional scope, there is one additional information requirement and three managerial requirements.

The planning using GitHub's "Projects" feature was separately organized for individual and group tasks. To review all tasks undertaken in this delivery, refer to the group planning and progress report document for a comprehensive overview, as this document will only detail individual tasks.

This document's content section comprises two chapters: planning and progress. The planning chapter details task execution, budget estimations, and screenshots of delivery development. The progress chapter includes progress records, conflict resolutions, and cost comparisons.

Contents

Planning

The following table represents the tasks that have been completed to fulfill the individual requirements in this deliverable:

Tasks	Description	Assignees	Roles	Estimation	Actual
Task S05-02	Create an entity "CodeAudit" to fulfill the client's information requirements.	Adriana Vento Conesa	Developer	45min.	40 min.
Task S05-03	Create an entity "AuditRecord" to fulfill the client's information requirements.		Developer	45min.	1h 23min.
Task S05-04	Create a form "AuditorDashboard" to fulfill the client's information requirements.		Developer	20min.	16min.
Task S05-05	Create an assortment of testing data for the auditor entities.		Tester	1h 30min.	3h 12min.
Task S05-13	Create a role "Auditor" to fulfill the client's information requirements.		Developer	20min.	5min.
Task S05-14	Produce a UML domain model.		Analyst	45min.	40min.
Task S05-15	Produce an analysis report.		Analyst	1h 30min.	1h.
Task S05-16	Produce a planning and progress report.		Manager	1h 30min.	1h 15min.

Through the following images, we can observe the progress of task development methodology throughout this delivery. It's important to note that, as these are individual tasks, no "QA" or "Review" tasks were created during this process. The screenshots provide insights into the evolution of task management, from initial definition in the "Todo" lane to completion in the "Done" lane, reflecting the adherence to the defined working methodology.

1. Initial state of the tasks:

Todo 8 / 10 Estimate: 0

This item hasn't been started

- Acme-SF-D01 #155
Task S05-02: Code audit entity.
P0
- Acme-SF-D01 #156
Task S05-03: Audit record entity.
P0
- Acme-SF-D01 #157
Task S05-04: Auditor dashboard.
P0
- Acme-SF-D01 #158
Task S05-05: Auditor testing data.
P0
- Acme-SF-D01 #162
Extra Task S05-13: Auditor role.
P0

+ Add item

In Progress 0 / 1 Estimate: 0

This is actively being worked on

+ Add item

Done 3 Estimate: 0

This has been completed

- Acme-SF-D01 #22
Task S05-001: Favourite website link.
P0
- Acme-SF-D01 #35
Extra Task S05-002: Write analysis report.
P1
- Acme-SF-D01 #34
Extra Task S05-003: Write planning and progress report.
P1

+ Add item

2. Intermediate state of the tasks:

Todo 4 / 10 Estimate: 0

This item hasn't been started

- Acme-SF-D01 #158
Task S05-05: Auditor testing data.
P0
- Acme-SF-D01 #163
Extra Task S05-14: UML model.
P1
- Acme-SF-D01 #164
Extra Task S05-15: Analysis report.
P1
- Acme-SF-D01 #165
Extra Task S05-16: Planning and progress report.
P1

+ Add item

In Progress 2 / 5 Estimate: 0

This is actively being worked on

- Acme-SF-D01 #155
Task S05-02: Code audit entity.
P0
- Acme-SF-D01 #156
Task S05-03: Audit record entity.
P0

+ Add item

Done 5 Estimate: 0

This has been completed

- Acme-SF-D01 #22
Task S05-001: Favourite website link.
P0
- Acme-SF-D01 #157
Task S05-04: Auditor dashboard.
P0
- Acme-SF-D01 #35
Extra Task S05-002: Write analysis report.
P1
- Acme-SF-D01 #34
Extra Task S05-003: Write planning and progress report.
P1
- Acme-SF-D01 #162

+ Add item

3. Third state of the tasks:

The Kanban board displays the following tasks:

- Todo (2 / 10, Estimate: 0):**
 - Acme-SF-D01 #163: Extra Task S05-14: UML model. (P1)
 - Acme-SF-D01 #165: Extra Task S05-16: Planning and progress report. (P1)
- In Progress (1 / 5, Estimate: 0):**
 - Acme-SF-D01 #164: Extra Task S05-15: Analysis report. (P1)
- Done (8, Estimate: 0):**
 - Acme-SF-D01 #22: Task S05-001: Favourite website link. (P0)
 - Acme-SF-D01 #155: Task S05-02: Code audit entity. (P0)
 - Acme-SF-D01 #158: Task S05-05: Auditor testing data. (P0)
 - Acme-SF-D01 #156: Task S05-03: Audit record entity. (P0)
 - Acme-SF-D01 #157: Task S05-04: Auditor dashboard. (P0)

4. Final state of the tasks:

The Kanban board displays the following tasks:

- Todo (0 / 10, Estimate: 0):** (Empty)
- In Progress (0 / 5, Estimate: 0):** (Empty)
- Done (11, Estimate: 0):**
 - Acme-SF-D01 #34: Extra Task S05-003: Write planning and progress report. (P1)
 - Acme-SF-D01 #162: Extra Task S05-13: Auditor role. (P1)
 - Acme-SF-D01 #164: Extra Task S05-15: Analysis report. (P1)
 - Acme-SF-D01 #163: Extra Task S05-14: UML model. (P1)

The following table summarizes the cost estimation for these tasks. The budget was computed using the salary estimates provided in the annexes:

Role	Planned Hours	Personnel Costs (€/h)	Total (€)
Manager	1h 30 min.	30	45,0
Developer	2h 10min.	20	43,3
Analyst	2h 15min.	20	45,0
Tester	1h 30min.	20	30,0
Total:			163,3

Considering an equipment cost of one thousand euros and the results obtained in the table above, as well as a residual value percentage of 35% we can determine that, over a period of three years, the yearly amortization cost can be computed with the following expression:

$$\text{Amortization} = \frac{\text{Initial Value} - \text{Residual Value}}{\text{Useful Life}}$$

The yearly amortization will come to a total of €216,6. It will have a monthly amortization of €18,0. Therefore the total expected costs for this deliverable will be €181,3.

Progress

Progress records: In assessing my progress for the current individual deliverable, which consisted of individual tasks, all eight tasks were successfully completed, showcasing a “good” performance percentage per the chartering document standards:

$$\text{Performance} = \frac{8}{8} * 100 = 100\%$$

Because the tasks were completed individually, evaluating my performance based on review tasks, which are designed for group-oriented issues, is not suitable. However, the absence of review tasks makes it impossible to assess the quality of the work completed. While the completion of tasks indicates progress, the lack of review tasks renders the quality assessment incomplete.

No notable conflicts arose during the development of this deliverable.

Lastly, the following table showcases the budget considering the real time spent on each of the tasks detailed in the planning section:

Role	Actual Hours	Personnel Costs (€/h)	Total (€)
Manager	1h 15min.	30	45,0
Developer	2h 24min.	20	48,0
Analyst	1h 40min.	20	33,3

Tester	3h 12min.	20	64,0
Total:			190,3

Thus, as the amortization costs will remain constant due to the same equipment being used as in the expected budget planning, the total actual costs for this deliverable will amount to €208,3.

The variance between the planned budget and the actual individual costs for this delivery amounts to €45,0. This difference is due to the incorrect estimation of several tasks.

Conclusions

In summary, this document has delineated the planning and advancement of individual tasks within the project's second delivery phase. Notably, all tasks were finalized a week ahead of the deliverable's due date, enabling the team to conduct thorough evaluations during subsequent follow-ups.

Bibliography

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