

# DP2 2023-2024

## Planning and Progress Report

# Acme Software Factory



Repository: <https://github.com/rafcasceb/Acme-SF-D01>

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GROUP C1.049

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## Abstract

This report details the planning and execution progress of the tasks assigned to our group during the project's initial delivery phase. Here, we only are going to take into account only the group task performance. Notably, roles such as testing and deployment are not applicable during this initial phase.

## Revision Table

Date	Version	Description of the changes	Deliverable
18/02/2024	V1	<ul style="list-style-type: none"><li>• Abstract.</li><li>• Introduction.</li><li>• Contents section: planning and progress.</li><li>• Conclusion.</li></ul>	1

## Introduction

In this initial delivery phase, our focus is on eight key tasks: two mandatory managerial requirement, one optional non-functional requirement and five optional managerial requirements.

Planning was carried out separately for individual and group tasks using GitHub's "Projects" feature. For a comprehensive overview of all individual tasks undertaken in this delivery, please refer to the individual planning and progress report document.

In order to measure the time each member spent doing the tasks, we use a free software tool called Clockify.

This document is structured into two main chapters: planning and progress. The planning chapter outlines task execution, budget estimations, and includes screenshots of delivery development. Meanwhile, the progress chapter covers progress records, conflict resolutions, and cost comparisons.

## Contents

### Planning

Below is the table illustrating the tasks completed to meet the individual requirements in this deliverable:

Tasks	Description	Assignees	Roles	Estimation	Actual
Task Pre000	Initialize the repository	Rafael Castillo	Manager	20 min	15 min
Task Pre001	Create tasks	Rafael Castillo	Manager	30 min	30 min
Task G001	Customize the starter	Daniel Flores, Luis Mellado	Developer	1h 30min	2h 10min
Task G001-a	Modify pom.xml and application properties. Initialize the DB	Daniel Flores	Developer	30min	1h
Task G001-a/R	Revision of the task	Luis Mellado	Developer	15min	10min
Task G001-b	Change the banner, logo and slogan	Luis Mellado	Developer	30min	50min
Task G001-b/R	Revision of the task	Daniel Flores	Developer	15min	20min
Task G002	Write a Chartering Report	Adriana Vento	Analyst	1h 30min	2h 20min
Task G002/R	Revision of the task	Raul Heras	Analyst	15min	30min
Task G003	Gasp the fragments	Raul Heras	Developer	40min	50min
Task G003/R	Revision of the task	Rafael Castillo	Developer	30min	20min

Task G004	Write an Analysis Report	Adriana Vento	Analyst	1h	1h
Task G004/R	Revision of the task	Luis Mellado	Analyst	30min	20min
Task G005	Write a Planning and Progress Report	Daniel Flores	Developer	2h	2h 30min
Task G005/R	Revision of the task	Adriana Vento	Developer	40min	30min
Task G006	Write a WIS Knowledge Report	Luis Mellado	Developer	1h	1h
Task G006/R	Revision of the task	Rafael Castillo	Developer	20min	10min
Task G007	Write a Development Configuration Report	Raul Heras	Developer	1h	1h
Task G007/R	Revision of the task	Rafael Castillo	Developer	30min	20min
Task G008	Write a WIS Testing Knowledge Report	Luis Mellado	Developer	1h	1h 30min
Task G008/R	Revision of the task	Daniel Flores	Developer	30min	30min
Task G009	Class attendance	All	Intentionally blank.	50h	50h
<b>TOTAL</b>				<b>65h</b>	<b>68,08h</b>

The progression of task development methodology throughout this delivery can be observed in the following images. The screenshots offer insights into the evolution of task management, starting from the initial definition in the "Todo" lane and concluding with completion in the "Done" lane, showcasing adherence to the defined working methodology.

## 1. Initial state of the tasks:

Acme Software Factory

Backlog Team capacity Current iteration Roadmap My items + New view

Filter by keyword or by field

**Todo** 27 / 15 (Estimate: 10) ...  
This item hasn't been started

- Acme-SF-D01 #47  
D01 Class Attendance S02
- Acme-SF-D01 #48 ...  
D01 Class Attendance S03
- Acme-SF-D01 #49  
D01 Class Attendance S04
- Acme-SF-D01 #51  
D01 Class Attendance S05
- Draft  
D01 Meeting: 23/02/24 Pre-Follow up meeting

+ Add item

**In Progress** 0 / 10 (Estimate: 0) ...  
This is actively being worked on

+ Add item

**Pending Review** 0 (Estimate: 0) ...

+ Add item

**Done** 0 (Estimate: 0) ...  
This has been completed

+ Add item

## 2. Intermediate state of the tasks:

Acme Software Factory

Backlog Team capacity Current iteration Roadmap My items + New view

Filter by keyword or by field

**Todo** 11 / 15 (Estimate: 0) ...  
This item hasn't been started

- Acme-SF-D01 #9  
Extra Task G006: Write development configuration report.
- Acme-SF-D01 #30  
QA G003: Grasp the Fragments
- Acme-SF-D01 #31  
QA G001-01: Set pom and application.properties name.

+ Add item

**In Progress** 8 / 10 (Estimate: 0) ...  
This is actively being worked on

- Acme-SF-D01 #2  
Task G001-01: Set pom and application.properties name.
- Acme-SF-D01 #4  
Task G003: Grasp the Fragments
- Acme-SF-D01 #37  
QA G008: Write report on WIS testing knowledge.
- Acme-SF-D01 #46  
D01 Class Attendance S01

+ Add item

**Pending Review** 4 (Estimate: 10) ...

- Acme-SF-D01 #10  
Task G000-01: Initialize Repository
- Acme-SF-D01 #12  
Task G000-02: Fill requirements document D01.
- Acme-SF-D01 #38  
Review G003: Grasp the Fragments
- Acme-SF-D01 #7  
Extra Task G007: Write report on WIS architecture knowledge.

+ Add item

**Done** 4 (Estimate: 0) ...  
This has been completed

- Acme-SF-D01 #1  
Task G002: Write chartering report.
- Acme-SF-D01 #3  
Task G001-02: Change banner, logo and icon.
- Acme-SF-D01 #5  
Extra Task G004: Write analysis report.
- Acme-SF-D01 #6 ...  
Extra Task G008: Write report on WIS testing knowledge.

+ Add item

## 3. Final state of the tasks:



Below is the table summarizing the cost estimation for these tasks. Please, note that **attendance hours** are distributed among the Manager, Developer and Analyst roles. The budget was calculated using the salary estimates provided in the annexes:

Role	Planned Hours	Personnel Costs (€/h)	Total (€)
Manager	16h	30	480
Developer	27h 10min	20	543,20
Analyst	20h 15min	20	403,4
Tester	0 min.	20	0
Operator	0 min.	20	0
<b>Total:</b>			<b>1426,6</b>

Taking into account an equipment cost of 4800€, along with the results obtained in the table above, and considering a residual value percentage of 35%, the yearly amortization cost over a three-year period can be computed using the following expression.

It will have yearly amortization of 1040€ and a monthly amortization of 86,66€. Therefore the total expected costs for this deliverable will be 1513,26€.

$$\text{Annual Amortization Expense} = \frac{\text{Cost of Asset} - \text{Residual Value}}{\text{Useful Life}}$$


## Progress

### Progress records:

In reviewing the progress on the current group deliverable, all eight tasks were completed successfully, meeting the "good" performance standard outlined in the chartering document. Revision tasks were also carried out, following the methodology given to us. Each task/subtask has its corresponding revision task. So that, we can ensure the quality of them.

After the "follow up" session, we could fix what was wrong. As a result, no significant conflicts emerged during development.

Role	Actual Hours	Personnel Costs (€/h)	Total (€)
Manager	15h 46min.	30	460,5
Developer	31h 15min.	20	625
Analyst	19h 15min.	20	385
Tester	0 min.	20	0
Operator	0 min.	20	0
<b>Total:</b>			<b>1470,5</b>

Therefore, with the amortization costs remaining stable owing to the ongoing utilization of the same equipment as projected in the budget planning, the total actual expenses for this deliverable will amount to 1557,16€.

The difference between the planned budget and the actual individual costs for this delivery is 47,9€. This variance is due to the additional personnel costs incurred.

#### Performance of the members:

Group Members	Planned Tasks	Actual Tasks	Value	Indicator
Daniel Flores de Francisco	5	5	100%	performing well
Adriana Vento Conesa	4	4	100%	performing well
Luis Mellado Díaz	6	6	100%	performing well
Rafael Castillo Cebolla	6	6	100%	performing well
Raúl Heras Pérez	4	4	100%	performing well

The primary performance indicators are:

**Performance percentage:** A crucial indicator of team performance is the timely completion of tasks assigned by the manager. The time of completion for these tasks is secondary, with emphasis placed on meeting deadlines.

The following methodology can be followed to compute the performance of each member:  
 $Performance = \frac{Completed\ Tasks}{Total\ Tasks} \times 100$

**Number of revision tasks:** Revision tasks are those created due to feature tasks that were carried out incorrectly by a team member. The lower the number of revision tasks created, the better the quality of work performed by the member.

Due to the performance of all the group members were excellent, as a reward, their opinions and suggestions will be taken into consideration when making decisions and during task-election processes.

## Conclusions

In summary, all tasks were executed according to plan, and we've acquired proficiency with the framework and methodologies. As a result, the overall time and cost estimations proved to be quite accurate.

## Bibliography

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