Escuela Técnica Superior de Ingeniería Informática

**Planning and Progress report D02**



Degree in Computer Engineering – Software Engineering  
Design and Testing II.

Academic year 2024 – 2025

|  |  |  |
| --- | --- | --- |
| **Laboratory group C1.005** | | |
| **Alphabetised authors** | **Role** | **Role description** |
| Artero Bellido Manuel – manartbel@alum.us.es | Manager | Makes plans, creates and supervises tasks, initialises the repository and writes reports |
| Calderón Rodríguez, Manuel María -mancalrod@alum.us.es | Operator | Creates deployment configurations, deploys the application, keeps the application running and writes reports |
| González Benito, Claudio – clagonben@alum.us.es | Developer | Creates development configuration, customises the starter, implements features, does informal testing and writes reports |
| Márquez Gutiérrez, José Manuel – josmargut@alum.us.es | Tester | Does formal testing and writes reports |
| Ramos Vargas, Alba – albramvar1@alum.us.es | Analyst | Elicits requirements, defines features, creates the domain model and writes reports |

# Versioning

|  |  |  |
| --- | --- | --- |
| Date | Version | Description |
| 04/03/2025 | V1.0.0 | Creation of the report, planning chapter |

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# Executive summary

This document serves as a report necessary for the correct development of the project. Following the annex provided, this report specifies the tasks done for the second deliverable, an estimation of time and costs and a comparison of the actual values.

# Planning

## Introduction

This chapter of the report will delve into the tasks and its estimations, providing a estimation of the total costs for the deliverable.

## Tasks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task | Description | Role | Planned time | Actual time |
| Create Crew member entity | Create a valid crew member entity | D | 15 minutes |  |
| Create Crew Assignment entity | Create a valid crew assignment entity | D | 15 minutes |  |
| Create Flight Incident entity | Create a valid flight incident entity | D | 45 minutes |  |
| Create test data for Crew members | Create and insert test data for the entities created | D | 30 minutes |  |
| Flight crew member dashboard (SI) | Create a flight crew member dashboard entity | D | 30 minutes |  |
| UML Domain Model (SI) | Create a UML domain that modelates the entities and relations | A | 30 minutes |  |
| Initial currency data (SI) |  | D | 30 minutes |  |
| Crew member visa requirements (SII) | Add visa requirements to the crew member entity | D | 30 minutes |  |
| Analysis report (SII) | Analyze and solve any unspecific requirement, providing options and the final decision | A | 30 minutes |  |
| Planning Chapter (SII) | Define each assigned task and provide estimated times and costs | A | 30 minutes |  |
| Progress Chapter (SII) | Analyze the finished tasks | A | 30 minutes |  |

## Screenshots

Immediately after this we have a couple of screenshots from the group and individual kanban boards respectively with the completed tasks, those still to do and those in progress, as defined by the project manager:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

## Estimated costs

The following image shows the result of the excel spreadsheet used to calculate the estimation.

A screenshot of a document

AI-generated content may be incorrect.

Where:

* The columns ‘Analyst’ and ‘Developer’ reflects the time in minutes estimated per task for each role.
* The row ‘Total time’ sums the times specified
* The row ‘Cost per hour’ specifies the cost per role per hour.
* The row ‘Total per role’ multiplies the previous two cells and divides them by 60, getting the accurate costs per total time.
* The cel ‘Total’ sums said values.

# Progress

## Introduction

This chapter of the report will delve into the progress made by student 3 during this stage of the project, providing a comparison of estimated and actual costs.

## Progress records

The tasks completed are the following:

* Creation of FlightCrewMember role
* Creation of FlightAssignment entity
* Creation of Log entity
* Creation of sample data for the previous entities
* Creation of a Flight Crew Member dashboard
* Creation of a UML domain model of the individual requirements
* Redaction of Analysis Report
* Redaction of Planning and Progress Report

## Conflicts

There were no noteworthy conflicts during this stage of the project.

## Cost comparison

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# Conclusions

The estimations, specially those of the analyst role, were overflown and that made the planning estimation nearly double the real cost.

For the next deliverable, the estimations should try to be nearer to reality, taking this deliverable as reference.

# References