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Content Table

[1. Executive Summary 2](#_heading=h.gjdgxs)

[2. Revision Table 3](#_heading=h.30j0zll)

[3. Introduction 3](#_heading=h.1fob9te)

[4. Contents 3](#_heading=h.3znysh7)

[4.1 Planning Chapter 3](#_heading=h.3znysh7)

[4.2 Progress Chapter 3](#_heading=h.3znysh7)

[5. Conclusions 6](#_heading=h.2et92p0)

[6. Bibliography 6](#_heading=h.tyjcwt)

**1. Executive Summary**

This report documents the project's status, including planning and progress. It describes the tasks performed, the resources used, and the development progress. Additionally, it presents performance metrics and a comparison between planning and actual execution.

**2. Revision Table**

| Revision number | Date | Description |
| --- | --- | --- |
| 1 | 08/03/2025 | The report was created |
| 2 | 13/03/2025 | Some data changed |

**3. Introduction**

This document serves as the Planning and Progress Report for the project, specifically compiled for Student 3. It offers a detailed account of the project's organization and advancement up to this point, describing the tasks carried out, their significance within the project, and the individuals assigned to them. Furthermore, it evaluates the predicted versus actual time dedicated to each task.

The report also explains the methodologies implemented for managing tasks, ensuring compliance with best practices in execution and record-keeping. It underscores the key difficulties faced during development and the strategies employed to overcome them.

Additionally, it presents an initial cost assessment based on designated work hours and available resources, followed by a comparison between estimated and actual expenses. Performance metrics are included to measure efficiency and goal achievement, providing insight into the project's current progress and potential areas for refinement in upcoming stages.

**4. Contents**

**4.1** [**Planning Chapter**](#_heading=h.3znysh7)Task List

| Task | Description | Responsible person | Planned time | Real time |
| --- | --- | --- | --- | --- |
| 3 | Implement the flight crew members entity, storing their employee code, phone number, their language skills, their availability status, the airline they are working for, their salary and the years of experience | Adrián Robles Borrego | 35 minutes | 30 minutes |
| 4 | Develop the flight assignment entity, recording details such as the flight duty, the moment of the last update, the current status of the assignment and some remarks. | Adrián Robles Borrego | 40 minutes | 30 minutes |
| 5 | Implement an activity log system that records incidents that occur during a flight, including a registration moment, the type of incident, a description and a severity level | Adrián Robles Borrego | 40 minutes | 20 minutes |
| 6 | Create test data to validate the application, including predefined flight crew members and an additional member account with no associated data. | Adrián Robles Borrego | 40 minutes | 50 minutes |
| 7 | Provide a link to your planning dashboard in GitHub to review the tasks, their current status, and your schedule. | Adrián Robles Borrego | 10 minutes | 5 minutes |
| 15 | Develop a dashboard with key performance indicators, such as the last five destinations assigned, the number of legs with incident, the crew members who were assigned with, the crew members flight assignment grouped by their statuses and statistical data of the number of flight assignments in the last month. | Adrián Robles Borrego | 30 minutes | 15 minutes |
| 16 | Produce a UML domain model regarding the information requirements in your project. | Adrián Robles Borrego | 45 minutes | 50 minutes |
| 26 | Integrate a web service to retrieve and store flight status and delay information, ensuring the selected API is free of charge to avoid additional costs. | Adrián Robles Borrego | 60 minutes | Pending |
| 27 | Produce an analysis report. | Adrián Robles Borrego | 15 minutes | 25 minutes |
| 28 | Produce a planning and progress report. | Adrián Robles Borrego | 15 minutes | 20 minutes |

Budget Estimation

| Role | Estimated hours | Hourly cost | Total cost |
| --- | --- | --- | --- |
| Analist | 1 hour | 30,00€ | 30,00€ |

**4.2** [**Progress Chapter**](#_heading=h.3znysh7)  
Challenges and Resolutions

| Problem | Description | Solution |
| --- | --- | --- |
| Intentionally blank |  |  |

Cost Comparison

| Role | Estimated hours | Real hours | Hourly cost | Real cost |
| --- | --- | --- | --- | --- |
| Analist | 1 hour | 1 hour | 30,00€ | 30,00€ |

**5. Conclusions**

In summary, given that this was the initial deliverable and mainly involved documentation tasks, there is limited scope for drawing significant conclusions. The effort was largely directed toward establishing the foundational structure and fulfilling essential requirements, leaving little opportunity for deeper analysis or reflection at this point.

**6. Bibliography**

Does not apply