Un dibujo con letras

El contenido generado por IA puede ser incorrecto.

Planning and progress report

Repository: https://github.com/C1-036/Acme-ANS-D02

Group: C1.036

Sevillano Barea, Alejandro - [alesevbar@alum.us.es](mailto:alesevbar@alum.us.es) Naredo Bernardos, Ignacio- [ignnarber@alum.us.es](mailto:ignnarber@alum.us.es)

Robles Borrego, Adrián - [adrrobbor@alum.us.es](mailto:adrrobbor@alum.us.es)

Sabido González, Francisco Manuel -  [fransabgon@alum.us.es](mailto:%20fransabgon@alum.us.es)

Escudero Aldana, David - [davescald@alum.us.es](mailto:davescald@alum.us.es)

March 13, 2025

Content Table

[1. Executive Summary 2](#_Toc190802873)

[2. Revision Table 2](#_Toc190802874)

[3. Introduction 2](#_Toc190802875)

[4. Contents 3](#_Toc190802876)

[4.1 Planning 3](#_Toc190802877)

[4.2 Progress Record: 8](#_Toc190802878)

[5. Conclusions 12](#_Toc190802879)

[6. Bibliography 12](#_Toc190802880)

# 1. Executive Summary

This report provides a comprehensive overview of my progress and activities during the project's development in this deliverable. Key tasks undertaken include setting up the development environment and implementing the initial mandatory functional requirement. Despite encountering challenges such as extended installation times, satisfactory progress was achieved. Tasks were completed within the designated timeframe, with documentation provided through screenshots. Additionally, a budget was estimated, considering work hours and associated costs. The report aims to outline the progress made and establish a foundation for future project iterations. The document structure includes detailed planning, progress tracking, and conclusions drawn from this milestone execution.

# 2. Revision Table

|  |  |  |
| --- | --- | --- |
| Revision number | Date | Description |
| 1 | 13/03/2025 | Report completed |
|  |  |  |

# 3. Introduction

This report offers a detailed insight into my progress and planning efforts throughout the project's development. During this period, I undertook critical tasks to establish the necessary work environment and implement the initial mandatory functional requirement.

Despite encountering challenges, such as longer than expected installation times, I managed to make satisfactory progress. Tasks were allocated and completed within the designated timeframe, with screenshots recorded to document delivery statuses at various development stages.

Additionally, I estimated a budget considering work hours and associated costs. The aim of this report is to provide an overview of the progress achieved to date and establish a solid foundation for future iterations of the project.

Furthermore, the document structure includes a detailed description of the planning conducted, progress made, and conclusions drawn from this milestone execution.

# 4. Contents

## 4.1 Planning

Title: **Group-Task-004-Airport Information Management**

Description: An airport is a facility that enables airlines to operate by providing flights for pas-sengers travelling between cities or countries. The system must store the following data about airports: a name (up to 50 characters), an IATA code (a unique three-uppercase-letter identifier), an operational scope ("INTERNATIONAL", "DOMESTIC", "REGIONAL"), a city and a country (up to 50 characters). Additionally, optional fields include a website, email address, and contact phone number (pattern " ^+?\d{6,15}$"). It is assumed that airports have only two runways, one for landing and one for take-offs; no further information about them is needed in the system.

Assigned and Role/s: Me – Developer

Planned Time: 30 minutes

Actual Time: 60 minutes

Title: **Group-Task-009-Generating Test Data for Administrators**

Description: Produce initial data to cold start your project; it must include an administrator ac-count with credentials “administrator/administrator”. Produce sample data to test your requirements; it must include additional administrator accounts with creden-tials “administrator1/administrator1” and “administrator2/administrator2”.

Assigned and Role/s: Me – Tester

Planned Time: 20 minutes

Actual Time: 20 minutes

Title: **Group-Task-038-Banned Passengers Management**

Description: The system must manage data about banned passengers. The system must store the following data: a full name (up to 50 characters), date of birth (in the past), a passport number (pattern “^[A-Z0-9]{6,9}$”), nationality (up to 50 characters), the reason for the ban (up to 255 characters), the date the ban was issued (in the past), and an optional lift date (in the past) to indicate whether the passenger is still banned or if the prohibition has been lifted.

Assigned and Role/s: Me – Developer

Planned Time: 30 minutes

Actual Time: 30 minutes

Title: **S1-Task-003-Handling information about managers**

Description: Airline managers are the people responsible for managing flights. The system must handle the following information about managers: an identifier number (unique, pattern "^[A-Z]{2-3}\d{6}$", where the first two or three letters correspond to their initials), years of experience in the airline, his or her date of birth and an optional link to a picture that must be stored somewhere else.

Assigned and Role/s: Me – Developer

Planned Time: 45 minutes

Actual Time: 120 minutes

Title: **S1-Task-004-Flight Information Management and its Features**

Description: A flight is a scheduled journey made by airlines to transport passengers between two locations. The system must store the following data about them: a tag that high-lights some feature of the flight such as "the fastest", "the cheapest" (up to 50 char-acters), an indication on whether it requires self-transfer or not, a cost, an optional description (up to 255 characters). It also stores information that comes from its legs, namely: a scheduled departure and a scheduled arrival that depends on the first scheduled departure moment of the first leg and the scheduled arrival moment of the last leg, the origin and destination cities that comes from the city of the air-ports to which first and last leg refers to, and finally, the number of layovers.

Assigned and Role/s: Me – Developer

Planned Time: 90 minutes

Actual Time: 90 minutes

Title: **S1-Task-005-Flight Segment Management and Details**

Description: A flight aggregates several legs. A leg represents an individual segment of a flight, typically corresponding to layovers or connections. The system must store the fol-lowing data for each leg: a unique flight number (composed of the airline's IATA code followed by four digits, unique), a scheduled departure and a scheduled arri-val, a duration in hours, a status ("ON TIME", "DELAYED", "CANCELLED", "LANDED"). Additionally, each leg must track the departure and arrival airports, as well as the aircraft that will be deployed for the journey.

Assigned and Role/s: Me – Developer

Planned Time: 90 minutes

Actual Time: 120 minutes

Title: **S1-Task-006-Generating Test Data for Airline Managers**

Description: Produce assorted sample data to test your application informally. The data must include two manager accounts with credentials “manager1/manager1” and “manag-er2/manager2”. Create an additional manager account with credentials “manag-er3/manager3” that represents a manager with no associated data, except for his or her profile.

Assigned and Role/s: Me – Tester

Planned Time: 30 minutes

Actual Time: 30 minutes

Title: **S1-Task-007-Provide a link to your planning dashboard in GitHub**

Description: Provide a link to your planning dashboard in GitHub to review the tasks, their cur-rent status, and your schedule.

Assigned and Role/s: Me – Analyst

Planned Time: 20 minutes

Actual Time: 20 minutes

Title: **S1-Task-015-Manager Dashboard Management**

Description:

The system must handle manager dashboards with the following indicators:

• The ranking the manager achieves based on their years of experience. The more years of experience, the

higher the position in the ranking.

• The number of years to retire, assuming that they retire at 65.

• Ratio of on-time and delayed legs.

• The most popular and less popular airports within their flights. An airport is popular as long as it has been an

origin or destination for many flights.

• The number of legs of their flights grouped by their status.

• The average, minimum, maximum, and standard deviation of the cost of their flights.

Assigned and Role/s: Me – Developer

Planned Time: 60 minutes

Actual Time: 60 minutes

Title: **S1-Task-016-Produce a UML domain model**

Description: Produce a UML domain model regarding the information requirements.

Assigned and Role/s: Me – Analyst

Planned Time: 30 minutes

Actual Time: 30 minutes

Title: **S1-Task-026-Weather Conditions Tracking**

Description: The system must track weather conditions. A web service must be used to populate this entity with information about weather conditions. Thus, the exact data to store depends on the chosen service, and it is the students' responsibility to define them accordingly. It is also the students’ responsibility to find the appropriate service; no implicit or explicit liabilities shall be covered by the University of Seville or their in-dividual affiliates if the students contract pay-per-use services! The students are strongly advised to ensure that the service they choose is free of charge.

Assigned and Role/s: Me – Developer

Planned Time: 45 minutes

Actual Time: 0 minutes

Title: **S1-Task-027-Produce an analysis report**

Description: Produce an analysis report

Assigned and Role/s: Me – Analyst

Planned Time: 30 minutes

Actual Time: 30 minutes

Title: **S1-Task-028-Produce a planning and progress report**

Description: Produce a planning and progress report

Assigned and Role/s: Me – Analyst

Planned Time: 90 minutes

Actual Time: 90 minutes

Title: **S1-RevS2-Task-003**

Description: Review of student 2 requirement 3

Assigned and Role/s: Me – QA

Planned Time: 15 minutes

Actual Time: 15 minutes

Title: **S1-RevS2-Task-004**

Description: Review of student 2 requirement 4

Assigned and Role/s: Me – QA

Planned Time: 15 minutes

Actual Time: 15 minutes

Title: **S1-RevS2-Task-005**

Description: Review of student 2 requirement 5

Assigned and Role/s: Me – QA

Planned Time: 15 minutes

Actual Time: 15 minutes

Title: **S1-RevS2-Task-006**

Description: Review of student 2 requirement 6

Assigned and Role/s: Me – QA

Planned Time: 15 minutes

Actual Time: 15 minutes

Title: **S1-Meetings**

Description: Meetings

Assigned and Role/s: Me – Analyst

Planned Time: 30 minutes

Actual Time: 30 minutes

Title: **S1-Theory classes**

Description: Theory classes

Assigned and Role/s: Me – Analyst

Planned Time: 11 hours

Actual Time: 11 hours

**Screenshots**

Initial screenshot of tasks in the “to do” column:

Imagen que contiene Texto

El contenido generado por IA puede ser incorrecto.

Intermediate screenshot of tasks in the process to be completed:

Imagen que contiene Texto

El contenido generado por IA puede ser incorrecto.

Screenshot at the end of the deliverable with all placed in the 'Done' column:

Imagen de la pantalla de un computador

El contenido generado por IA puede ser incorrecto.

**Budget**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Role** | **Salary per minute** | **Estimated time (minutes)** | **Estimated Cost (€)** |
| Group-Task-004-Airport Information Management | Developer | 0,33 | 30 | 9,9 |
| Group-Task-009-Generating Test Data for Administrators | Tester | 0,33 | 20 | 6,6 |
| Group-Task-038-Banned Passengers Management | Developer | 0,33 | 30 | 9,9 |
| S1-Task-003-Handling information about managers | Developer | 0,33 | 45 | 14,85 |
| S1-Task-004-Flight Information Management and its Features | Developer | 0,33 | 90 | 29,7 |
| S1-Task-005-Flight Segment Management and Details | Developer | 0,33 | 90 | 29,7 |
| S1-Task-006-Generating Test Data for Airline Managers | Tester | 0,33 | 30 | 9,9 |
| S1-Task-007-Provide a link to your planning dashboard in GitHub | Analyst | 0,5 | 20 | 10 |
| S1-Task-015-Manager Dashboard Management | Developer | 0,33 | 60 | 19,8 |
| S1-Task-016-Produce a UML domain model | Analyst | 0,5 | 30 | 15 |
| S1-Task-026-Weather Conditions Tracking | Developer | 0,33 | 45 | 14,85 |
| S1-Task-027-Produce an analysis report | Analyst | 0,5 | 30 | 15 |
| S1-Task-028-Produce a planning and progress report | Analyst | 0,5 | 90 | 45 |
| S1-RevS2-Task-003 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-004 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-005 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-006 | QA | 0,33 | 15 | 4,95 |
| S1-Meetings | Analyst | 0,5 | 30 | 15 |
| S1-Theory classes | Analyst | 0,5 | 550 | 275 |
| TOTAL |  |  | 1250 | 540 |
|  |  |  | Amortisation\* | 180 |

\*The amortisation is computed using a linear method along three years’ time

Total Number of Estimated Minutes: 1250 minutes = 20 hours and 50 minutes

Personnel Cost: 540

## Progress Record:

Team Member: Naredo Bernardos, Ignacio.

Performance Indicator/s: Performing well.

Performance Consideration: Good.

Brief Description of Applied Reward or Admonition: Ignacio successfully completed all his assigned tasks, meeting the necessary requirements to pass the course. His dedication and consistency ensured that he fulfilled all expectations within the specified timeframe.

Team Member: Robles Borrego, Adrián

Performance Indicator/s: Performing well.

Performance Consideration: Good

Brief Description of Applied Reward or Admonition: Adrián successfully completed all his assigned tasks, meeting the necessary requirements to pass the course. His dedication and consistency ensured that he fulfilled all expectations within the specified timeframe.

Team Member: Sabido González, Francisco Manuel

Performance Indicator/s: Performing well.

Performance Consideration: Good.

Brief Description of Applied Reward or Admonition: Francisco Manuel successfully completed all his assigned tasks, meeting the necessary requirements to pass the course. His dedication and consistency ensured that he fulfilled all expectations within the specified timeframe.

Team Member: Escudero Aldana, David

Performance Indicator/s: Performing well.

Performance Consideration: Good.

Brief Description of Applied Reward or Admonition: David successfully completed all his assigned tasks, meeting the necessary requirements to pass the course. His dedication and consistency ensured that he fulfilled all expectations within the specified timeframe.

**Conflict and Resolution:**

There haven't been any conflicts with any group members thus far, but individually, I have some issues with environment setup that have mostly been resolved with team active collaboration.

**Cost Comparison**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Role** | **Salary per minute** | **Real Time(minutes)** | **Real Cost (€)** |
| Group-Task-004-Airport Information Management | Developer | 0,33 | 60 | 19,8 |
| Group-Task-009-Generating Test Data for Administrators | Tester | 0,33 | 20 | 6,6 |
| Group-Task-038-Banned Passengers Management | Developer | 0,33 | 30 | 9,9 |
| S1-Task-003-Handling information about managers | Developer | 0,33 | 120 | 39,6 |
| S1-Task-004-Flight Information Management and its Features | Developer | 0,33 | 90 | 29,7 |
| S1-Task-005-Flight Segment Management and Details | Developer | 0,33 | 120 | 39,60 |
| S1-Task-006-Generating Test Data for Airline Managers | Tester | 0,33 | 30 | 9,9 |
| S1-Task-007-Provide a link to your planning dashboard in GitHub | Analyst | 0,5 | 20 | 10 |
| S1-Task-015-Manager Dashboard Management | Developer | 0,33 | 60 | 19,8 |
| S1-Task-016-Produce a UML domain model | Analyst | 0,5 | 30 | 15 |
| S1-Task-026-Weather Conditions Tracking | Developer | 0,33 | 0 | 0 |
| S1-Task-027-Produce an analysis report | Analyst | 0,5 | 30 | 15 |
| S1-Task-028-Produce a planning and progress report | Analyst | 0,5 | 90 | 45 |
| S1-RevS2-Task-003 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-004 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-005 | QA | 0,33 | 15 | 4,95 |
| S1-RevS2-Task-006 | QA | 0,33 | 15 | 4,95 |
| S1-Meetings | Analyst | 0,5 | 30 | 15 |
| S1-Theory classes | Analyst | 0,5 | 550 | 275 |
| TOTAL |  |  | 1340 | 569,7 |
|  |  |  | Amortisation\* | 189,9 |

\*The amortisation is computed using a linear method along three years’ time

Total Number of Real Minutes: 1020 minutes = 17 hours

Real Personnel Cost: 508,64€

**Guidance table**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Task** | **Role** | **Salary per minute** | **Estimated time (minutes)** | **Estimated Cost (€)** | **Real Time(minutes)** | **Real Cost (€)** |
| Group-Task-004-Airport Information Management | Developer | 0,33 | 30 | 9,9 | 60 | 19,8 |
| Group-Task-009-Generating Test Data for Administrators | Tester | 0,33 | 20 | 6,6 | 20 | 6,6 |
| Group-Task-038-Banned Passengers Management | Developer | 0,33 | 30 | 9,9 | 30 | 9,9 |
| S1-Task-003-Handling information about managers | Developer | 0,33 | 45 | 14,85 | 120 | 39,6 |
| S1-Task-004-Flight Information Management and its Features | Developer | 0,33 | 90 | 29,7 | 90 | 29,7 |
| S1-Task-005-Flight Segment Management and Details | Developer | 0,33 | 90 | 29,7 | 120 | 39,60 |
| S1-Task-006-Generating Test Data for Airline Managers | Tester | 0,33 | 30 | 9,9 | 30 | 9,9 |
| S1-Task-007-Provide a link to your planning dashboard in GitHub | Analyst | 0,5 | 20 | 10 | 20 | 10 |
| S1-Task-015-Manager Dashboard Management | Developer | 0,33 | 60 | 19,8 | 60 | 19,8 |
| S1-Task-016-Produce a UML domain model | Analyst | 0,5 | 30 | 15 | 30 | 15 |
| S1-Task-026-Weather Conditions Tracking | Developer | 0,33 | 45 | 14,85 | 0 | 0 |
| S1-Task-027-Produce an analysis report | Analyst | 0,5 | 30 | 15 | 30 | 15 |
| S1-Task-028-Produce a planning and progress report | Analyst | 0,5 | 90 | 45 | 90 | 45 |
| S1-RevS2-Task-003 | QA | 0,33 | 15 | 4,95 | 15 | 4,95 |
| S1-RevS2-Task-004 | QA | 0,33 | 15 | 4,95 | 15 | 4,95 |
| S1-RevS2-Task-005 | QA | 0,33 | 15 | 4,95 | 15 | 4,95 |
| S1-RevS2-Task-006 | QA | 0,33 | 15 | 4,95 | 15 | 4,95 |
| S1-Meetings | Analyst | 0,5 | 30 | 15 | 30 | 15 |
| S1-Theory classes | Analyst | 0,5 | 550 | 275 | 550 | 275 |
| TOTAL |  |  | 1250 | 540 | 1340 | 569,7 |
|  |  |  |  |  | Amortisation\* | 189,9 |

\*The amortisation is computed using a linear method along three years’ time

**Estimated time:** 1250 minutes.

**Real time:** 1340 minutes.

**Difference:** +90 minutes

**Estimated Cost:** 540€

**Actual Cost:** 569,70€

**Difference:** +29,7€

# 5. Conclusions

The phase of creating entities, roles, and CSV files has been highly rewarding, as I have gradually gained a better understanding of the framework. The team members exceeded performance expectations by completing more tasks than required to pass the course.

Although actual costs varied slightly from the estimates, they remained very close, highlighting the importance of accurate planning.

Overall, this phase establishes a solid foundation for future iterations of the project, emphasizing the need for dedication from everyone and effective collaboration among us.

# 6. Bibliography

Intentionally blank.