**Group Number:** C3-027  
**Repository:** https://github.com/DP2-C1-027/AirNav-Logistics-C3  
**Member:**

* **Niza Cobo, Manuel Jesús**
  + Role: Manager, Developer
  + Email: mannizcob@alum.us.es

**Date:** 10-16-2025

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**Executive Summary**

This report details the planning and progress of our project deliverable, structured into two main sections: planning and progress. The planning chapter outlines task allocation, estimated efforts, screenshots of development phases, and budget estimations. The progress chapter provides performance records, conflict resolution approaches, and a cost comparison between the estimated and actual expenditures. This document ensures compliance with the project’s working methodology and best practices.

**Revision Table**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Description of Changes** |
| 1.0 | 10-02-2025 | Initial Draft |
| 1.1 | 14-02-2025 | Updated Cost Estimation |
| 1.2 | 20-02-2025 | Added new entries for deliverable D01 |
| 1.3 | 13-03-2025 | Added new entries for deliverable D02 |
| 1.4 | 30-03-2025 | Added new entries for deliverable D03 |
| 1.5 | 04-07-2025 | Added new entries for deliverable C2 |
| 1.6 | 10-16-2025 | Added new entries for deliverable C3 |
|  |  |  |

**Introduction**

This document presents a structured report on the planning and progress of the project deliverable. It is divided into two main sections: the planning chapter, which includes task breakdown, screenshots from the project management tool, and budget estimation; and the progress chapter, which documents workgroup performance, conflict resolution, and a final cost comparison. The document follows a professional yet simple styling to ensure clarity and readability.

**Planning Chapter**

**Task Listing**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Task | Description | Assignee | Role | Planned Time | Actual Time |
| Modify the anonymous menu | The anonymous menu was modified to display an option that redirects the browser to the homepage of a favorite website, with the title formatted as: “〈id-number〉: 〈surname〉, 〈name〉” | Manuel Jesús Niza | Developer | 30 minutes | 15 minutes |
| Provide a link to the GitHub planning dashboard | A link was provided to the planning dashboard for reviewing the task statuses and project schedule. | Manuel Jesús Niza | Developer | 30 minutes | 10 minutes |
| Planning and Progress Report (Individual) | Created the planning and progress report with all the required details. | Manuel Jesús Niza | Developer | 3 hours | 5 hours |
| Analysis Report  (Individual) | Produced the analysis report with the corresponding logs. | Manuel Jesús Niza | Developer | 2 hours | 1 hours |
| Set up the workspace | Configured the workspace for the project. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Set up the github project and the dashboard | Configure and set the actual project in github and the dashboard with the tasks. | Manuel Jesús Niza | Manager | 2 hours | 2 hours |
| Attend classes | Attended 6 classes (5 theory class and 1 follow-up), each lasting 1.5 hours | Manuel Jesús Niza | Developer | 9 hours | 9 hours |
| Split tasks with the team | Split all the tasks with each member of the team | Manuel Jesús Niza | Manager | 30 minutes | 15 minutes |
| Recruiment Meeting | A post was made in the forum and did a meeting with Nora. | Manuel Jesús Niza | Manager | 30 minutes | 5 minutes |
| Analysis Report  (Group) | Created an analysis report based on the most important requirements. | Manuel Jesús Niza | Developer | 2 hours | 1 hours |
| Meeting1 | First meeting where we expressed our expectations regarding the work and the selection of the manager. | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Meeting 2 | We share our progress and improvements for the first deliverable | Manuel Jesús Niza | Manager | 1 hour | 1 hour |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modify old tasks | To fit with the subject requirements I had to modify the dashboard with old tasks that fit with some issues not created | Manuel Jesús Niza | Manager | 30 minutes | 1 hour |
| Split tasks with the team | Split all the tasks with each member of the team | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Analysis Report  (Group) | Created an analysis report based on the most important requirements. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Provide a link to the GitHub planning dashboard | A link was provided to the planning dashboard for reviewing the task statuses and project schedule. | Manuel Jesús Niza | Developer | 10 minutes | 10 minutes |
| Review Data Model | Create an entity of the project. | Manuel Jesús Niza | Developer | 30 minutes | 1 hour |
| Service Data Model | Create an entity of the project. | Manuel Jesús Niza | Developer | 30 minutes | 1 hour |
| Flight Crew Member Data Model | Create an entity of the project. | Manuel Jesús Niza | Developer | 30 minutes | 1 hour |
| Flight Assignment Data Model | Create an entity of the project. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Activity Log Data Model | Create an entity of the project. | Manuel Jesús Niza | Developer | 2 hour | 1 hour |
| Flight Crew Member Data | Create some data examples to populate the database. | Manuel Jesús Niza | Developer | 2 hours | 1 hour |
| Flight Crew Member Dashboards | Create a form based on the details required for a dashboard for crew members. | Manuel Jesús Niza | Developer | 30 minutes | 1 hour |
| UML | Personal UML from my java classes created in the project. | Manuel Jesús Niza | Developer | 1 hour | 2 hours |
| Visa Requirements | Create an entity for a future implementation of an API call receiving visa information to flight crew members. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Analysis Report  (Individual) | Produced the analysis report with the corresponding logs. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Planning and Progress Report (Individual) | Created the planning and progress report with all the required details. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Meeting #3 | Meeting to share progress and improvements for the second deliverable. | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Meeting #4 | Meeting to share progress and improvements for the second deliverable. | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Attend classes | Attended 5 classes (3 theory class and 2 follow-up), each lasting 1.5 hours. | Manuel Jesús Niza | Developer | 7.5 hours | 7.5 hours |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Operations by administrators on aircrafts | Manage aircraft operations. | Manuel Jesús Niza | Developer | |  | | --- | | 2 hours |  |  | | --- | |  | | 6 hours |
| Operations by administrators on dashboards | Manage administrator dashboards. | Manuel Jesús Niza | Developer | 3 hours | 4 hours |
| Operations by any principal on airports | Manage airports operations. | Manuel Jesús Niza | Developer | 3 hours | 2 hours |
| Meeting #5 (26/03/2025) | Meeting #5 | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Meeting #6 (2/04/2025) | Meeting #6 | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Operations by flight crew members on flight assignments | Handle flight assignments. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Operations by flight crew members on activity log records | Manage activity logs. | Manuel Jesús Niza | Developer | 2 hours | 2 hour |
| Provide a link to your dashboard | Add a link to the dashboard. | Manuel Jesús Niza | Developer | 10 minutes | 10 minutes |
| Operations by anonymous principals on user accounts | Manage anonymous user accounts. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Operations by flight crew members on user accounts | Handle user account settings. | Manuel Jesús Niza | Developer | 2 hours | 1 hour |
| Operations by any principals on flight assignments | Perform actions on flight assignments. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Operations by flight crew member on dashboards | Manage dashboards for crew members. | Manuel Jesús Niza | Developer | 2 hours | 4 hours |
| Provide a video testing requirements #8 and #9 | Record a test video. | Manuel Jesús Niza | Developer | 3 hours | 2 hours |
| Operations by flight crew members on visa requirements | Manage visa requirements. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Operations by administrators on visa requirements | Handle visa settings. | Manuel Jesús Niza | Developer | 2 hours | 2 hours |
| Analysis report | Create an analysis report. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Planning and progress report | Create a progress report. | Manuel Jesús Niza | Developer | 1 hour | 1 hour |
| Planning the group tasks | Assign tasks to team members. | Manuel Jesús Niza | Manager | 1 hour | 1 hour |
| Attend classes | Attended 6 classes (3 theory class and 3 follow-up), each lasting 1.4 hours. | Manuel Jesús Niza | Developer | 10 hours | 10 hours |

**C2 Task Listing:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task** | **Description** | **Assignee** | **Role** | **Planned Time** | **Actual Time** |
| C2 - T000 - Consent Form About Call 1 Material | Consent Form About Call 1 Material | Manuel Jesús Niza | Developer | |  | | --- | | 30 mins |  |  | | --- | |  | | 45 mins |
| C2 - T001 - Evaluation report analysis | Analyze evaluation report | Manuel Jesús Niza | Developer | |  | | --- | | 1 hour |  |  | | --- | |  | | 1.5 hours |
| C2 - T002 - Planning the group tasks | Plan group tasks | Manuel Jesús Niza | Developer | |  | | --- | | 45 mins |  |  | | --- | |  | | 1 hour |
| C2 - T003 - Update project (new tag + new framework version) | Update project (new tag + framework) | Manuel Jesús Niza | Developer | |  | | --- | | 1 hour |  |  | | --- | |  | | 45 mins |
| C2 - T013 - Evaluation report analysis | Review evaluation report data | Manuel Jesús Niza | Developer | |  | | --- | | 1 hour |  |  | | --- | |  | | 1.25 hours |
| C2 - T014 - Planning the individual tasks | Plan individual tasks | Manuel Jesús Niza | Developer | |  | | --- | | 45 mins |  |  | | --- | |  | | 30 mins |
| C2 - T015 - Review of the rest of the Student 3 code | Code review for Student 3 | Manuel Jesús Niza | Developer | |  | | --- | | 2 hours |  |  | | --- | |  | | 3 hours |
| C2 - T016 - Explain changes done in the evaluation report | Document report changes | Manuel Jesús Niza | Developer | |  | | --- | | 45 mins |  |  | | --- | |  | | 1 hour |
| C2 - T017 - ValidIdentifier annotation in class | Implement ValidIdentifier annotation | Manuel Jesús Niza | Developer | |  | | --- | | 1.5 hours |  |  | | --- | |  | | 2 hours |
| C2 - T018 - Use of 3 persistence annotations | Add persistence annotations | Manuel Jesús Niza | Developer | |  | | --- | | 2 hours |  |  | | --- | |  | | 1.75 hours |
| C2 - T019 - Missing member/member user | Fix missing member/user functionality | Manuel Jesús Niza | Developer | |  | | --- | | 1.5 hours |  |  | | --- | |  | | 2 hours |
| C2 - T020 - Missing leg and flight crew member details in flight assignments | Add crew details to flight assignments | Manuel Jesús Niza | Developer | |  | | --- | | 2 hours |  |  | | --- | |  | | 2.5 hours |
| C2 - T021 - A flight assignment that does not incur a time slot conflict cannot be published | Fix flight assignment publishing logic | Manuel Jesús Niza | Developer | |  | | --- | | 2.5 hours |  |  | | --- | |  | | 3 hours |
| C2 - T022 - Redo a test suite for requirements #8 and #9 | Redo test suite for reqs #8-9 | Manuel Jesús Niza | Developer | |  | | --- | | 3 hours |  |  | | --- | |  | | 4 hours |
| C2 - T023 - Update Testing Report | Update Testing Report | Manuel Jesús Niza | Developer | |  | | --- | | 1 hour |  |  | | --- | |  | | 1.5 hours |
| C2 - T024 - Update UML domain model | Update UML domain model | Manuel Jesús Niza | Developer | |  | | --- | | 1.5 hours |  |  | | --- | |  | | 2 hours |
| C2 - T025 - Redo a video in which I informally test requirements #8 and #9 | Record new test video for reqs #8-9 | Manuel Jesús Niza | Developer | |  | | --- | | 1 hour |  |  | | --- | |  | | 45 mins |
| C2 - T026 - Update Analysis Report | Update Analysis Report | Manuel Jesús Niza | Developer | |  | | --- | | 1.5 hours |  |  | | --- | |  | | 2 hours |
| C2 - T027 - Update Planning and Progress Report | Update Planning and Progress Report | Manuel Jesús Niza | Developer | |  | | --- | | 1 |   hour   |  | | --- | |  | | 1.25 hours |

**Screenshots of Development Phases**

* **Initial Stage:** Screenshot of the "To-Do" lane.

A screenshot of a computer

AI-generated content may be incorrect.

* **Midway Progress:** Screenshot displaying different task types across various lanes.

Captura de pantalla de un celular

El contenido generado por IA puede ser incorrecto.

* **Completion:** Screenshot of the "Done" lane showing finalized tasks.

Captura de pantalla de un celular

El contenido generado por IA puede ser incorrecto.

**Budget Estimation**

**D01:**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Estimated Hours | Hourly Rate | Estimated Cost |
| Developer | 19 hours | €20/hr | €380 |
| Manager/Analyst | 5 hours | €30/hr | €150 |
| **Total Personnel Cost** | **24 hours** | - | **€530** |
| Amortisation Cost | - | - | €20.0 |
| **Total Cost** | - | - | **€550** |

**D02:**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Estimated Hours | Hourly Rate | Estimated Cost |
| Developer | 21 hours | €20/hr | €420 |
| Manager/Analyst | 3.5 hours | €30/hr | €105 |
| **Total Personnel Cost** | **24.5 hours** | - | **€525** |
| Amortisation Cost | - | - | €20.0 |
| **Total Cost** | - | - | **€545** |

**D03:**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Estimated Hours | Hourly Rate | Estimated Cost |
| Developer | 32 hours | €20/hr | €640 |
| Manager/Analyst | 3 hours | €30/hr | €90 |
| **Total Personnel Cost** | **35 hours** | - | **€730** |
| Amortisation Cost | - | - | €20.0 |
| **Total Cost** | - | - | **€750** |

**C2:**

|  |  |  |  |
| --- | --- | --- | --- |
| Role | Estimated Hours | Hourly Rate | Estimated Cost |
| Developer | 28 hours | €20/hr | €560 |
| Manager/Analyst | 7 hours | €30/hr | €210 |
| **Total Personnel Cost** | **35 hours** | - | **€770** |
| Amortisation Cost | - | - | €20.0 |
| **Total Cost** | - | - | **€790** |

**Progress Chapter**

**Progress Records**

|  |  |  |  |
| --- | --- | --- | --- |
| Member | Performance Indicator | Good/Bad | Action Taken |
| Manuel Jesús Niza | Completed tasks on time | Good | Recognition |

**Conflict Resolution**

No conflicts arose during the period of work

**Cost Comparison**

**D01:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Role | Estimated Hours | Actual Hours | Hourly Rate | Estimated Cost | Actual Cost |
| Developer | 19 hours | 18.42 hours | €20/hr | €380 | €368.40 |
| Manager/Analyst | 5 hours | 9.25 hours | €30/hr | €150 | €277.50 |
| **Total Personnel Cost** | **24 hours** | **28 hours** | - | **€530** | **€645.9** |
| Amortisation Cost | - | - | - | €20.0 | €20 |
| **Total Cost** | - | - | - | **€550** | **€665.9** |

**D02:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Role | Estimated Hours | Actual Hours | Hourly Rate | Estimated Cost | Actual Cost |
| Developer | 21 hours | 22 hours | €20/hr | €420 | €440 |
| Manager/Analyst | 3.5 hours | 4 hours | €30/hr | €105 | €120 |
| **Total Personnel Cost** | **24.5 hours** | **26 hours** | - | **€525** | **€560** |
| Amortisation Cost | - | - | - | €20.0 | €20 |
| **Total Cost** | - | - | - | **€545** | **€580** |

**D03:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Role | Estimated Hours | Actual Hours | Hourly Rate | Estimated Cost | Actual Cost |
| Developer | 32 hours | 43 hours | €20/hr | €640 | €860 |
| Manager/Analyst | 3 hours | 3 hours | €30/hr | €90 | €90 |
| **Total Personnel Cost** | **35 hours** | **46 hours** | - | **€730** | **€950** |
| Amortisation Cost | - | - | - | €20.0 | €20 |
| **Total Cost** | - | - | - | **€750** | **€970** |

**C2:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Role | Estimated Hours | Actual Hours | Hourly Rate | Estimated Cost | Actual Cost |
| Developer | 28 hours | 38 hours | €20/hr | €560 | €760 |
| Manager/Analyst | 7 hours | 8 hours | €30/hr | €210 | €240 |
| **Total Personnel Cost** | **35 hours** | **46 hours** | - | **€770** | **€1000** |
| Amortisation Cost | - | - | - | €20.0 | €20 |
| **Total Cost** | - | - | - | **€790** | **€1020** |

**Conclusions**

This report has documented the planning and execution of the project deliverable. The tasks were successfully completed with minor discrepancies in planned vs. actual time. Budget estimations were close to actual expenses, with minor deviations due to increased workload. Collaboration and adherence to the working methodology ensured the project’s success. Lessons learned include the importance of precise task estimations and proactive conflict resolution.

**Bibliography**

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