**Analysis Report**

**Group**: C1.027  
**Repository**: <https://github.com/DP2-C1-027/AirNav-Logistics.git>

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**Executive Summary**

This report provides an in-depth analysis of critical project requirements that need further assessment to ensure successful execution. While not all requirements demand detailed scrutiny, this evaluation focuses specifically on those that involve complex decision-making, technical complexities, or potential obstacles. These key areas are thoroughly examined to identify risks, explore solutions, and support informed decision-making for effective project implementation.

**Revision Table**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Description** |
| 1.0 | 19/02/2025 | Initial version of the report |
| 2.0 | 11/03/2025 | Report updated for Dlv2 |

**Introduction**

This document aims to provide a detailed analysis of the activities carried out in the AirNav-Logistics project, specifically focusing on the tasks related to Delivery 2. The analysis centers on the data models and their alignment with the project requirements.

**Contents**

**Assistance Agents**: Storage of data such as employee code, spoken languages, airline, start date, optional bio, salary, and photo.

**Claims**: Registration of claims with details like registration timestamp, passenger email, description, type, and acceptance status.

**Tracking Logs**: Monitoring of claims with data such as last update timestamp, current step, resolution percentage, and final status.

**Test Data**: Creation of agent accounts with predefined credentials for testing purposes.

**Dashboards**: Indicators such as ratios of resolved/rejected claims, top months with the highest number of claims, and statistical metrics for logs and claims handled.

**Delays**: the integration of the external flight status service required careful selection of a free API and proper implementation to ensure functionality without incurring costs. This requirement posed the most significant challenge but was successfully addressed.

**Conclusions**

Since the tasks performed primarily involved straightforward requirements and were implemented according to the given specifications, no extensive analysis was necessary. However, the integration of the external flight status service (requirement 26) required additional effort and validation due to its complexity. Future tasks involving similar integrations or more intricate requirements may demand deeper analysis and testing to ensure successful implementation.

**Bibliography**

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