# Requirements – Student #4

Please, fill in the following form, make sure that you have ticked the requirements that you consider fulfilled, save this document, **and attach it in its original format (.docx)** to every deliverable. Regarding your ID, please keep only four random digits and mask the others using an asterisk. **Please, note that this document must be edited with the desktop version of Word since the web version does not properly support forms.** Attaching this document entails that you are the authors of the work delivered, you have not cheated in any way, and you have read and understood the information delivered regarding the subject, with a special emphasis on the methodological guidelines and how your work is going to be graded. Make sure that your project works well with the latest version of the development framework.

| **Group:** C1.056 |
| --- |
| **Repository:** https://github.com/Javclamar/Acme-ANS-D05.git |
| **Student #4**  **ID Number:** 2951\*\*\*\*R  **UVUS:**  Pabberima  **Name:**  Bermúdez Imaz, Pablo  **Roles:**  developer |
| **Date:** 26/05/2025 |

**El estudiante ha cambiado el nombre del fichero, lo que impide procesarlo automáticamente. Al cargarlo parece que el formato ha sido modificado y no es posible tampoco su procesamiento automático. Además, se han perdido los números de requisito, lo que dificulta la evaluación aún más.**

RL: Se pondrá en este color las correcciones tomadas a los errores y faltas en los requisitos.

# MANDATORY Deliverable D01: introduction

## Information requirements

Intentionally blank.

## Functional requirements

Modify the anonymous menu so that it shows an option that takes the browser to the home page of your favourite web site. The title must read as follows: “〈id-number〉: 〈surname〉, 〈name〉”, where “〈id-number〉” denotes your DNI, NIE, or passport number, “〈surname〉” denotes your surname/s, and “〈name〉” denotes your name/s.

X

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Provide a link to your planning dashboard in GitHub to review the tasks, their current status, and your schedule.

El enlace proporcionado no funciona.

RL: Habilitado a público el repositorio de github

# MANDATORY Deliverable D02: data models

## Information requirements

The **assistance agents** are the people responsible for recording and managing post-flight incidents reported by passengers. The system must store the following data about them: an **employee code** (unique, pattern "^[A-Z]{2-3}\d{6}$", where the first two or three letters correspond to their initials), a list of **spoken languages** (no longer than 255 characters), the **airline** for which they work, the **moment** on which they began to work for that airline (in the past), and optionally, a **brief bio** (up to 255 characters), their salary, and a link to a **photo** that should be stored anywhere else.

No se han customizado los mensajes de error:

A screenshot of a computer code

AI-generated content may be incorrect.claim

Se han añadido en FlightCrewMemberValidator.java mensajes personalizados para agentCode, con el objetivo de que muestre un mensaje más comprensible al usuario sobre el formato que necesita

A **claim** is a formal request or complain made by a passenger or customer due to a problem or inconvenience experienced during a flight. They are registered by the **assistance agents**, and the data to store when registering a **claim** is the following: the **registration moment** (in the past), the **passenger email**, a **description** (up to 255 characters), a **type** (“FLIGHT ISSUES”, “LUGGAGE ISSUES”, “SECURITY INCIDENT”, “OTHER ISSUES”) and an **indicator** of whether the claim is accepted or not.

X

Claims need to be tracked through **tracking logs**. A tracking log records each step in the procedure followed to resolve or reject a claim, ensuring that all actions and decisions are documented. The system must store the following data about **tracking logs**: the **last update moment**, the **step** undergoing (up to 50 characters), a **resolution percentage**, and an **indicator** on whether the claim was finally accepted or not. When a claim is accepted or rejected, the system must store its **resolution** indicating the reason why was rejected or the compensation to offer (up to 255 characters).

X

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Produce assorted sample data to test your application informally. The data must include two **assistance agent** accounts with credentials “**agent1**/**agent1**” and “**agent2**/**agent2**”. Create an additional agent account with credentials “**manager3/manager3”** that accounts for a new agent with no associated data, except for his or her profile.

X

## Managerial requirements

Provide a link to your planning dashboard in GitHub to review the tasks, their current status, and your schedule.

El enlace proporcionado no funciona.

RL: Habilitado a público el repositorio de github

# MANDATORY Deliverable D03: implementing features

## Information requirements

Intentionally blank.

## Functional requirements

Operations by **assistance agents** on **claims**:

List their completed claims, that is, the ones that have been accepted or rejected and show their details.

List the undergoing claims and show their details including the leg to which they are linked.

Create, update, publish, and delete their claims. Claims must be linked to legs that occurred. Additionally, claims can be updated or deleted as long as they have not been published.

Al entrar en el Sistema con agent3, se obtiene lo siguiente, por lo que no se ofrecen las opciones necesarias para revisar esta feature:

A close-up of a website

AI-generated content may be incorrect.

RL: se ha añadido al agent.csv del lote sample-01 una nueva fila de datos para el agent3, asociada al user-account agent3.

Operations by assistance agents on tracking logs:

List and show the tracking logs associated to their claims.

Create, update, publish, and delete a tracking log. A tracking log cannot be published until its corresponding claim is published. Once published, tracking logs cannot be updated or deleted. In exceptional cases, a new tracking log may be created even after the last one has been published (the one with a 100% resolution percentage). This additional tracking log is generated when the customer expresses dissatisfaction, prompting agents to review their claims.

Al entrar en el Sistema con agent3, se obtiene lo siguiente, por lo que no se ofrecen las opciones necesarias para revisar esta feature:

A close-up of a website

AI-generated content may be incorrect.

RL: se ha añadido al agent.csv del lote sample-01 una nueva fila de datos para el agent3, asociada al user-account agent3.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Provide a link to your planning dashboard in GitHub to review the tasks, their current status, and your schedule.

RL: Habilitado a público el repositorio de github

Enlace no funciona.

# MANDATORY Deliverable D04: formal testing

## Information requirements

Create appropriate indices for your entities, if required.

Índices redundantes:

A screen shot of a computer code

AI-generated content may be incorrect.

Pero faltan muchos índices necesarios para optimizar las consultas. Echar un vistazo, por ejemplo, a:

A close-up of a code

AI-generated content may be incorrect.

RL: He cambiado algunos indices: he quitado createMoment y claimId y he añadido el status y el updateMoment

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

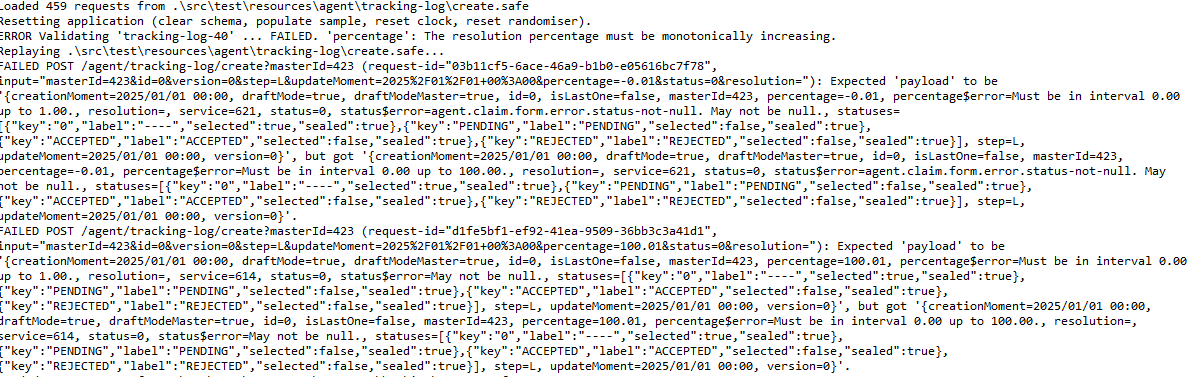
Produce a test suite for Requirements #8 and #9.

Al tratar de ejecutar la suite de pruebas proporcionada se producen los siguientes fallos en todos los casos de prueba:

A screenshot of a computer

AI-generated content may be incorrect.

Además, en el caso de este estudiante, también se produce el siguiente fallo:



RL: Se han repetido todos los test y se ha arreglado la condición de validación en el validTrackingLog que hacia que diese tal error en el tracking-log-40

## Managerial requirements

Provide a link to your planning dashboard in GitHub to review the tasks, their current status, and your schedule.

Enlace no funciona.

RL: Habilitado a público el repositorio de github

Produce a testing report.

Dados los problemas detectados anteriormente, el informe no puede corresponder al proyecto presentado.

RL: Se ha hecho de nuevo el informe analizando datos y resultados del testing repetido

# SUPPLEMENTARY I Deliverable D01: introduction

## Information requirements

Intentionally blank.

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Intentionally blank.

# SUPPLEMENTARY I Deliverable D02: data models

## Information requirements

The system must handle **assistance agent** **dashboards** with the following **indicators**:

The ratio of claims that have been resolved successfully.

The ratio of claims that have been rejected.

The top three months with the highest number of claims.

The average, minimum, maximum, and standard deviation of the number of logs their claims have.

The average, minimum, maximum, and standard deviation of the number of claims they assisted during the last month.

X

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Produce a UML domain model regarding the information requirements in your project.

X

# SUPPLEMENTARY I Deliverable D03: implementing features

## Information requirements

Intentionally blank.

## Functional requirements

Operations by **anonymous principals** on **user accounts**:

Sign up to the system and become an assistance agent.

X

Operations by **assistance agents** on **user accounts**:

Update their profiles.

X

Operations by **administrators** on **claims**:

List the claims in the system that are published.

Show the details of the claims that they can list (including their tracking logs).

X

Operations by **assistance agents** on **dashboards**:

Show their dashboards.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Provide a link to a video in which you informally test requirement #8 and #9. Videos should not exceed 10 minutes in length and must be stored at the USE's facilities.

# SUPPLEMENTARY I Deliverable D04: formal testing

## Information requirements

Intentionally blank.

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Perform five mutations in your code and report on the results.

## Managerial requirements

Produce a lint report.

# SUPPLEMENTARY II Deliverable D01: introduction

## Information requirements

Intentionally blank.

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Produce an analysis report.

X

Produce a planning and progress report.

X

# SUPPLEMENTARY II Deliverable D02: data models

## Information requirements

The system is required to store **flight status** or **delays** that assistance agents can consult to help them with some claims. A web service must be used to populate this entity with information about flight statuses/delays. 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 individual 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.

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Produce an analysis report.

Produce a planning and progress report.

# SUPPLEMENTARY II Deliverable D03: implementing features

## Information requirements

Intentionally blank.

## Functional requirements

Operations by **assistance agents** on **flights status/delays**:

List the flights statuses/delays available in the system.

Show the details of the flight statuses/delays registered in the system.

Operations by **administrators** on **flights statuses/delays**:

Populate the database with flights status/delay data.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Intentionally blank.

## Managerial requirements

Produce an analysis report.

Produce a planning and progress report.

# SUPPLEMENTARY II Deliverable D04: formal testing

## Information requirements

Intentionally blank.

## Functional requirements

Intentionally blank.

## Non-functional requirements

Intentionally blank.

## Testing requirements

Produce as a complete test suite as possible for Requirement #29 ensuring that the API is properly mocked.

## Managerial requirements

Produce an analysis report.

Produce a planning and progress report.