# Universidad de Sevilla

## Escuela Técnica Superior de Ingeniería Informática

# **Lint Report**



Grado en Ingeniería Informática – Ingeniería del Software

Diseño y Pruebas 2.

Curso 2024 – 2025

Group:C1.001
Repository: https://github.com/Albertoescobarsanchez/Acme-ANS-D04

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-Este documento se centra en analizar los "bad smells" del código desarrollado identificados por SonarLint.

-Este informe se centrará en el código desarrollado para las features de Flight y Leg.

## -AirlineManagerFlightController:

| | | | |
|---|---|---|---|
| AirlineManagerFlightController.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |

-Salen avisos del nombre del paquete y de usar el constructor en vez de @Autowired, nada relevante.

## -AirlineManagerFlightListService:

| | | | |
|---|---|---|---|
| AirlineManagerFlightListService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerFlightListService.java | 14 da... | ⌄ | Use a primitive boolean expression here. |
| AirlineManagerFlightListService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightListService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightListService.java | 14 da... | 🔴 | Define a constant instead of duplicating this literal "draftMode" 3 times. [+3 loca... |

-Salen los mismos avisos de antes, menos el penúltimo aviso de usar assert object!=null y usar el texto "draftMode" tres veces en vez de crear una variable para ello. Sigue sin ser relevante.

## -AirlineManagerFlightShowService:

| | | | |
|---|---|---|---|
| AirlineManagerFlightShowService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerFlightShowService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightShowService.java | 14 da... | ⌃ | Replace this assert with a proper check. |

-Avisos iguales a los anteriores.

## -AirlineManagerFlightCreateService:

| | | | |
|---|---|---|---|
| AirlineManagerFlightCreateService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerFlightCreateService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |

-Avisos iguales a los anteriores.

**-AirlineManagerFlightUpdateService:**

| | | | |
|---|---|---|---|
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z]+(\.[a-z][a- |
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightUpdateService.jav | 14 da... | ⌃ | Replace this assert with a proper check. |

-Avisos iguales a los anteriores.

**-AirlineManagerFlightDeleteService:**

| | | | |
|---|---|---|---|
| AirlineManagerFlightDeleteService.java | 9 days... | ⌄ | Use isEmpty() to check whether the collection is empty or not. |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z]+(\.[a-z][a- |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |

-Avisos iguales a los anteriores.

**-AirlineManagerFlightPublishService:**

| | | | |
|---|---|---|---|
| AirlineManagerFlightPublishService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z]+(\.[a-z][a- |
| AirlineManagerFlightPublishService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerFlightPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerFlightPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |

-Avisos iguales a los anteriores.

**-AirlineManagerFlightRepository:**

| | | | |
|---|---|---|---|
| AirlineManagerFlightRepository.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z]+(\.[a-z][a- |

-Mismo aviso del paquete.

**-AirlineManagerLegController:**

| AirlineManagerLegController.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegController.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |

-Avisos iguales a los anteriores.

**-AirlineManagerLegListService:**

| AirlineManagerLegListService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegListService.java | 14 da... | ⌄ | Use a primitive boolean expression here. |
| AirlineManagerLegListService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegListService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegListService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "draftMode" 3 times. [+3 loca... |
| AirlineManagerLegListService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "masterId" 3 times. [+3 locati... |

- Avisos iguales que los anteriores junto con el list service de flight del uso de literales en vez de guardar uno en una variable y usar dicha variable.

**-AirlineManagerLegShowService:**

| AirlineManagerLegtShowService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegtShowService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |

-Avisos iguales a los anteriores.

**- AirlineManagerLegCreateService:**

| AirlineManagerLegCreateService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegCreateService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegCreateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "arrivalAirport" 4 times. [+4 l... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "departureAirport" 3 times. [... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "flightNumber" 4 times. [+4 l... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "masterId" 3 times. [+3 locati... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "scheduledArrival" 4 times. [+... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "scheduledDeparture" 3 time... |
| AirlineManagerLegCreateService.java | 14 da... | ⬤ | Define a constant instead of duplicating this literal "status" 3 times. [+3 locations] |

-Avisos iguales que los anteriores.

## - AirlineManagerLegUpdateService:

| | | | |
|---|---|---|---|
| AirlineManagerLegUpdateService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Replace this usage of 'Stream.collect(Collectors.toList())' with 'Stream.toList()' an... |
| AirlineManagerLegUpdateService.java | 14 da... | ⌃ | Replace this usage of 'Stream.collect(Collectors.toList())' with 'Stream.toList()' an... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "arrivalAirport" 4 times. [+4 l... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "departureAirport" 3 times. [... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "flightNumber" 4 times. [+4 l... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "scheduledArrival" 5 times. [+... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "scheduledDeparture" 4 time... |
| AirlineManagerLegUpdateService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "status" 3 times. [+3 locations] |

-Avisos similares al create.

## - AirlineManagerLegDeleteService:

| | | | |
|---|---|---|---|
| AirlineManagerLegDeleteService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegDeleteService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegDeleteService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegDeleteService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "status" 3 times. [+3 locations] |

-Avisos iguales a los anteriores.

## - AirlineManagerLegPublishService:

| | | | |
|---|---|---|---|
| AirlineManagerLegPublishService.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |
| AirlineManagerLegPublishService.java | 14 da... | ⌃ | Remove this field injection and use constructor injection instead. |
| AirlineManagerLegPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegPublishService.java | 14 da... | ⌃ | Replace this assert with a proper check. |
| AirlineManagerLegPublishService.java | 14 da... | 🛑 | Define a constant instead of duplicating this literal "status" 3 times. [+3 locations] |

-Avisos iguales a los anteriores.

## - AirlineManagerLegRepository:

| | | | |
|---|---|---|---|
| AirlineManagerLegRepository.java | 14 da... | ⌄ | Rename this package name to match the regular expression '^[a-z_]+(\.[a-z_][a-... |

-Avisos iguales a los anteriores.

**-Conclusiones:**

-Después de escanear las clases java en busca de code smells, no han salido avisos importantes. El más importante es de duplicación de valores, que se soluciona guardando un valor en una variable y usar dicha variable en vez de los valores repetidos, pero en mi opinión, no aporta mucho al código a menos que los uses muchas veces en una misma función y haga que esta sea engorrosa.