

DP2 2024

Acme Software Factory

Repositorio: <https://github.com/DP2-2024-C1-029/Acme-Software-Factory.git>

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GRUPO C1.029
Versión 1.0

Índice

Historial de versiones.....	3
Introducción.....	4
Contenido.....	4
Conclusiones	5
Bibliografía	5

Historial de versiones

Fecha	Versión	Descripción	Entrega
26/04/2024	V1.0	Inicio documento D03	D03

Introducción

A continuación, se procede a enumerar los *code smells* detectados por SonarLint dentro del paquete correspondiente al Estudiante 1 (Manager)

Contenido

Se va a enumerar los comentarios dados tras el reporte de SonarLint:

Resource	Date	Description
AuditRecord.java	2 days ago	Override the "equals" method in this class.
Auditor.java		Override the "equals" method in this class.
AuditorAuditRecordController.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordCreateService.java		Define a constant instead of duplicating this literal "masterId" 3 times. [+3 locations]
AuditorAuditRecordCreateService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordCreateService.java		Replace this assert with a proper check.
AuditorAuditRecordCreateService.java		Replace this assert with a proper check.
AuditorAuditRecordCreateService.java		Replace this assert with a proper check.
AuditorAuditRecordCreateService.java		Replace this assert with a proper check.
AuditorAuditRecordCreateService.java		Define a constant instead of duplicating this literal "endPeriod" 8 times. [+8 locations]
AuditorAuditRecordCreateService.java		Define a constant instead of duplicating this literal "startPeriod" 6 times. [+6 locations]
AuditorAuditRecordDeleteService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordDeleteService.java		Replace this assert with a proper check.
AuditorAuditRecordDeleteService.java		Replace this assert with a proper check.
AuditorAuditRecordDeleteService.java		Replace this assert with a proper check.
AuditorAuditRecordDeleteService.java		Replace this assert with a proper check.
AuditorAuditRecordListService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordListService.java		Replace this assert with a proper check.
AuditorAuditRecordListService.java		Replace this assert with a proper check.
AuditorAuditRecordListService.java		Define a constant instead of duplicating this literal "masterId" 4 times. [+4 locations]
AuditorAuditRecordPublishService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordPublishService.java		Replace this assert with a proper check.
AuditorAuditRecordPublishService.java		Replace this assert with a proper check.
AuditorAuditRecordPublishService.java		Replace this assert with a proper check.
AuditorAuditRecordPublishService.java		Replace this assert with a proper check.
AuditorAuditRecordPublishService.java		Define a constant instead of duplicating this literal "endPeriod" 8 times. [+8 locations]
AuditorAuditRecordPublishService.java		Define a constant instead of duplicating this literal "startPeriod" 6 times. [+6 locations]
AuditorAuditRecordRepository.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordShowService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordShowService.java		Replace this assert with a proper check.
AuditorAuditRecordUpdateService.java		Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.
AuditorAuditRecordUpdateService.java		Replace this assert with a proper check.
AuditorAuditRecordUpdateService.java		Define a constant instead of duplicating this literal "endPeriod" 8 times. [+8 locations]
AuditorAuditRecordUpdateService.java		Define a constant instead of duplicating this literal "startPeriod" 6 times. [+6 locations]
AdministratorRiskCreateService.java		Replace this assert with a proper check.
AdministratorRiskCreateService.java		Replace this assert with a proper check.
AdministratorRiskCreateService.java		Replace this assert with a proper check.
AdministratorRiskCreateService.java		Replace this assert with a proper check.
AdministratorRiskCreateService.java		Define a constant instead of duplicating this literal "identificationDate" 4 times. [+4 locations]
AdministratorRiskCreateService.java		Define a constant instead of duplicating this literal "reference" 4 times. [+4 locations]
AdministratorRiskDeleteService.java		Replace this assert with a proper check.
AdministratorRiskDeleteService.java		Replace this assert with a proper check.
AdministratorRiskDeleteService.java		Replace this assert with a proper check.
AdministratorRiskDeleteService.java		Replace this assert with a proper check.
AdministratorRiskListService.java		Replace this assert with a proper check.
AdministratorRiskShowService.java		Replace this assert with a proper check.
AdministratorRiskUpdateService.java		Replace this assert with a proper check.
AdministratorRiskUpdateService.java		Replace this assert with a proper check.
AdministratorRiskUpdateService.java		Replace this assert with a proper check.
AdministratorRiskUpdateService.java		Replace this assert with a proper check.
AdministratorRiskUpdateService.java		Define a constant instead of duplicating this literal "identificationDate" 4 times. [+4 locations]
AdministratorRiskUpdateService.java		Define a constant instead of duplicating this literal "reference" 4 times. [+4 locations]

Esas notificaciones marcan las líneas que contienen “assert object != null;” sin embargo, como es código heredado y siguiendo el formato de los profesores, se va a dejar tal y como está.

Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.

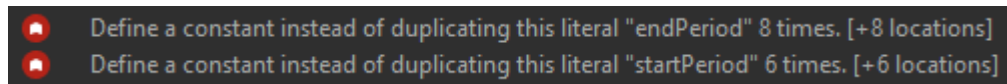
Rename this package name to match the regular expression '^([a-z]+)([a-z0-9_])*\$'.

Estas detecciones nos avisan de que el nombre del paquete debería seguir el patrón que se indica ya que actualmente está como camelCase por el hecho de ser más legible.

Override the "equals" method in this class.

Override the "equals" method in this class.

Este método nos dice que agreguemos la anotación @Override, sin embargo, no se ha creado un método *equals* porque no ha sido necesario.



Esto nos indica que “hay código duplicado”. Simplemente es como se repiten a la hora de construir los métodos *bind* y *unbind* los *string* los nombres salta la notificación. No se ha hecho una variable, puesto que se quiere seguir la lógica y dejarlo todo como cadenas de texto.

Conclusiones

Gracias a SonarLint se ha podido eliminar código que había duplicado y variables que estaban sin uso, dejando así un proyecto más limpio y de acorde a las buenas prácticas de la asignatura.

También hemos aprendido a usar una herramienta para detectar *code smells* y aprender a identificarlos y eliminarlos, o evitar crearlos en nuestros próximos proyectos.

Bibliografía

Diapositivas de la asignatura Diseño y Pruebas 2 – Universidad de Sevilla.