

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

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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 detectado por sonar lint

Contenido

Enumeramos los comentarios dados tras el reporte de sonarlint:

AdministratorBannerCreateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerCreateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerCreateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerCreateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerDeleteService.java	4 days ago	⬆	Replace this assert with a proper check.
AdministratorBannerDeleteService.java	4 days ago	⬆	Replace this assert with a proper check.
AdministratorBannerDeleteService.java	4 days ago	⬆	Replace this assert with a proper check.
AdministratorBannerDeleteService.java		⬆	Replace this assert with a proper check.
AdministratorBannerListService.java	4 days ago	⬆	Replace this assert with a proper check.
AdministratorBannerShowService.java	4 days ago	⬆	Replace this assert with a proper check.
AdministratorBannerUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorBannerUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorConfigurationShowService.java		⬆	Replace this assert with a proper check.
AdministratorConfigurationUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorConfigurationUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorConfigurationUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorConfigurationUpdateService.java		⬆	Replace this assert with a proper check.
AdministratorObjectiveCreateService.java	5 days ago	⬆	Replace this assert with a proper check.
AdministratorObjectiveCreateService.java	5 days ago	⬆	Replace this assert with a proper check.
AdministratorObjectiveCreateService.java	5 days ago	⬆	Replace this assert with a proper check.
AdministratorObjectiveCreateService.java		⬆	Replace this assert with a proper check.
AnySponsorshipListAllService.java		⬆	Replace this assert with a proper check.
AnySponsorshipShowService.java		⬆	Replace this assert with a proper check.
AuthenticatedObjectiveListService.java	5 days ago	⬆	Replace this assert with a proper check.
AuthenticatedObjectiveShowService.java		⬆	Replace this assert with a proper check.
AuthenticatedSponsorCreateService.java	6 days ago	⬆	Replace this assert with a proper check.
AuthenticatedSponsorCreateService.java	6 days ago	⬆	Replace this assert with a proper check.
AuthenticatedSponsorCreateService.java	6 days ago	⬆	Replace this assert with a proper check.
AuthenticatedSponsorCreateService.java	6 days ago	⬆	Replace this assert with a proper check.
AuthenticatedSponsorUpdateService.java		⬆	Replace this assert with a proper check.
AuthenticatedSponsorUpdateService.java		⬆	Replace this assert with a proper check.
AuthenticatedSponsorUpdateService.java		⬆	Replace this assert with a proper check.
AuthenticatedSponsorUpdateService.java		⬆	Replace this assert with a proper check.

SponsorInvoiceCreateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceCreateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceCreateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceCreateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceDeleteService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceDeleteService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceDeleteService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceDeleteService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceListService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceListService.java		⬆	Replace this assert with a proper check.
SponsorInvoicePublishService.java		⬆	Replace this assert with a proper check.
SponsorInvoicePublishService.java		⬆	Replace this assert with a proper check.
SponsorInvoicePublishService.java		⬆	Replace this assert with a proper check.
SponsorInvoicePublishService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceShowService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceUpdateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceUpdateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceUpdateService.java		⬆	Replace this assert with a proper check.
SponsorInvoiceUpdateService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipCreateService.java	2 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipCreateService.java	2 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipCreateService.java	16 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipCreateService.java	16 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipDeleteService.java	15 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipDeleteService.java	15 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipDeleteService.java	15 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipDeleteService.java	15 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipListMineService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipPublishService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipPublishService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipPublishService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipPublishService.java		⬆	Replace this assert with a proper check.
SponsorSponsorshipShowService.java	20 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipUpdateService.java	14 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipUpdateService.java	14 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipUpdateService.java	14 days ago	⬆	Replace this assert with a proper check.
SponsorSponsorshipUpdateService.java	14 days ago	⬆	Replace this assert with a proper check.

Se han detectado notificaciones de "assert object != null;" en múltiples archivos del código heredado. Estas notificaciones se mantienen como parte del formato original del código y no se modificarán.

Se ha decidido conservar el formato original del código heredado, incluyendo las notificaciones, para mantener la integridad del mismo y facilitar su comprensión por parte de aquellos familiarizados con el estilo de codificación utilizado por los profesores.

Debido a la presencia de estas notificaciones en todos los archivos, no se adjuntarán imágenes individuales para cada caso. Se considera que la descripción proporcionada es suficiente para identificar y comprender el problema.

Es importante tener en cuenta que la instrucción "assert object != null;" se utiliza para verificar que un objeto no sea nulo antes de utilizarlo. Si bien esta práctica puede ser útil para detectar errores de programación, se recomienda utilizar métodos de comprobación de nulos más robustos en el desarrollo de nuevo código.

Configuration.java		Override the "equals" method in this class.
Exchange.java	8 days ago	Override the "equals" method in this class.
Invoice.java	1 month ago	Override the "equals" method in this class.
Objective.java		Override the "equals" method in this class.
Sponsor.java		Override the "equals" method in this class.
Sponsorship.java	1 month ago	Override the "equals" method in this class.

Este método nos dice que agreguemos la anotación `@Override`, sin embargo, no se ha dejado explícito en la clase porque no ha sido necesario en el contexto del proyecto.

AdministratorBannerCreateService.java	4 days ago	Define a constant instead of duplicating this literal "displayEndMoment" 4 times. [+4 locations]
AdministratorBannerCreateService.java	4 days ago	Define a constant instead of duplicating this literal "displayStartMoment" 5 times. [+5 locations]
AdministratorBannerUpdateService.java		Define a constant instead of duplicating this literal "displayEndMoment" 4 times. [+4 locations]
AdministratorBannerUpdateService.java		Define a constant instead of duplicating this literal "displayStartMoment" 5 times. [+5 locations]
AdministratorConfigurationUpdateService.java	2 days ago	Define a constant instead of duplicating this literal "acceptedCurrencies" 4 times. [+4 locations]
AdministratorConfigurationUpdateService.java	2 days ago	Define a constant instead of duplicating this literal "currency" 4 times. [+4 locations]
AdministratorObjectiveCreateService.java	5 days ago	Define a constant instead of duplicating this literal "endingExecutionPeriod" 4 times. [+4 locations]
AdministratorObjectiveCreateService.java	5 days ago	Define a constant instead of duplicating this literal "initialExecutionPeriod" 5 times. [+5 locations]
SponsorInvoiceCreateService.java		Define a constant instead of duplicating this literal "dueDate" 4 times. [+4 locations]
SponsorInvoiceCreateService.java		Define a constant instead of duplicating this literal "masterId" 3 times. [+3 locations]
SponsorInvoiceCreateService.java		Define a constant instead of duplicating this literal "quantity" 5 times. [+5 locations]
SponsorInvoiceListService.java		Define a constant instead of duplicating this literal "masterId" 4 times. [+4 locations]
SponsorInvoicePublishService.java		Define a constant instead of duplicating this literal "dueDate" 4 times. [+4 locations]
SponsorInvoicePublishService.java		Define a constant instead of duplicating this literal "quantity" 5 times. [+5 locations]
SponsorInvoiceUpdateService.java		Define a constant instead of duplicating this literal "dueDate" 4 times. [+4 locations]
SponsorInvoiceUpdateService.java		Define a constant instead of duplicating this literal "quantity" 5 times. [+5 locations]
SponsorSponsorshipCreateService.java	15 days ago	Define a constant instead of duplicating this literal "project" 4 times. [+4 locations]
SponsorSponsorshipCreateService.java	15 days ago	Define a constant instead of duplicating this literal "initialExecutionPeriod" 5 times. [+5 locations]
SponsorSponsorshipCreateService.java	15 days ago	Define a constant instead of duplicating this literal "amount" 5 times. [+5 locations]
SponsorSponsorshipCreateService.java	15 days ago	Define a constant instead of duplicating this literal "endingExecutionPeriod" 4 times. [+4 locations]
SponsorSponsorshipPublishService.java	15 days ago	Define a constant instead of duplicating this literal "amount" 5 times. [+5 locations]
SponsorSponsorshipPublishService.java	15 days ago	Define a constant instead of duplicating this literal "endingExecutionPeriod" 4 times. [+4 locations]
SponsorSponsorshipPublishService.java	15 days ago	Define a constant instead of duplicating this literal "initialExecutionPeriod" 5 times. [+5 locations]
SponsorSponsorshipPublishService.java	15 days ago	Define a constant instead of duplicating this literal "project" 4 times. [+4 locations]
SponsorSponsorshipUpdateService.java	14 days ago	Define a constant instead of duplicating this literal "amount" 5 times. [+5 locations]
SponsorSponsorshipUpdateService.java	14 days ago	Define a constant instead of duplicating this literal "endingExecutionPeriod" 4 times. [+4 locations]
SponsorSponsorshipUpdateService.java	14 days ago	Define a constant instead of duplicating this literal "initialExecutionPeriod" 4 times. [+4 locations]
SponsorSponsorshipUpdateService.java	14 days ago	Define a constant instead of duplicating this literal "project" 4 times. [+4 locations]

Esto nos indica que "hay código duplicado". Simplemente es como se repiten a la hora de construir los métodos `bind` y `unbind` los strings 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

DeveloperTrainingModuleDeleteSe		Rename this local variable to match the regular expression <code>^[a-z][a-zA-Z0-9]*\$</code> .
DeveloperTrainingModuleDeleteSe		Replace this lambda with method reference <code>TrainingSession::isDraftMode</code> .
DeveloperTrainingModulePublishSe 44 minutes ago		Rename this local variable to match the regular expression <code>^[a-z][a-zA-Z0-9]*\$</code> .
DeveloperTrainingModulePublishSe		Rename this local variable to match the regular expression <code>^[a-z][a-zA-Z0-9]*\$</code> .
DeveloperTrainingModulePublishSe		Replace this lambda with method reference <code>TrainingSession::isDraftMode</code> .

Esa recomendación la marca para cambiar la forma en la que creo una expresión, sin embargo la que hay ahora mismo es funcional y es con la que mejor me manejo. También se ha notificado líneas comentadas que estaban duplicadas, y variables que no se usaban. Esas notificaciones han sido corregidas, eliminando todo lo que estuviera duplicado y no estuviera en uso.

Conclusiones

Se ha utilizado la herramienta SonarLint para identificar y eliminar code smells en el proyecto, principalmente variables inutilizadas y código comentado que no se estaba utilizando.

Gracias a la utilización de SonarLint, el proyecto se encuentra ahora en un estado más limpio, entendible y mantenible. Esto contribuye a mejorar la calidad general del código y a facilitar su desarrollo y mantenimiento en el futuro.

Bibliografía

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