IADI Report - Grant Management System 2020/21

Overview

The project went accordingly with smooth implementation, almost all of the endpoints
were implemented at least at the best of our understanding without having the full
inclosure of what the front-end needs.
Controllers are responsible for receiving DTO (Data Transfer Objects), execute
specific service method passing a DAO (Data Access Object) that was constructed from
the DTO received. Some of the endpoints are secured using both roles and principal
methods.
The service layer is then responsible for make some crucial validations and throw
errors when needed. They execute methods on the repositories.
The repository layer is responsible to execute queries and retrieve or save data to
the database layer.
Bitbucket pipeline was used so our JUnit tests run and get verified. More tests and
examples were made using Postman.

Focus features:

- ☑ Endpoints needed with full discrimination on API Operation and Response.
- ☑ Security using roles and principal authority validation.
- ☑ Multiple tests on controllers, services and repositories. On execution and security.
- ☑ Custom JPQL queries for data retrieve.
- ☑ Postman tests and examples.

Not implemented but desired:

- ☐ Service level security (instead of controller).
- ☐ Full integration test.

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