Badge 2.2/3.1

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Crea una aplicación restful que procese toda tu combinación de File Creator (rest, webscrapping, importación de datos por fichero) a través de un microservicio con una base de datos documental.

Implementa tu aplicación en Quarkus en lugar de Spring.

Projectes base: CSV -> XML / XML DB

Base de dades documental: MongoDB

Accés a dades:
quarkus-mongodb-client
quarkus-mongodb-panache

Quarkus REST - Resource

```java
@Path("/csv")
@Consumes(MediaType.APPLICATION_JSON)
@Produces(MediaType.APPLICATION_JSON)
public class CSVResource {
    @Inject
    CSVRecordService service;
```

Quarkus REST - Resource

```java
@GET
public Response csvAll() {
    try {
        List<CSVRecord> result = this.service.findAll();
        if (result == null) return Response.status(Response.Status.NOT_FOUND).build();
        return Response.ok(result).build();
    } catch (Exception e) {
        log.error("failed to process request: ", e);
        return Response.serverError().build();
    }
}


@GET
@Path("{id}")
public Response getCSV(@PathParam("id") ObjectId id) {
    try {
        CSVRecord result = this.service.findById(id);
        if (result == null) return Response.status(Response.Status.NOT_FOUND).build();
        return Response.ok(result).build();
    } catch (Exception e) {
        log.error("failed to process request: ", e);
        return Response.serverError().build();
    }
}
```

Quarkus REST - Resource

```java
@GET
public Response csvAll() {
    return ResponseHelper.process(() -> this.service.findAll());
}


@GET
@Path("{id}")
public Response getCSV(@PathParam("id") ObjectId id) {
    return ResponseHelper.process(id, oid -> {
        CSVRecord record = this.service.findById(oid);
        if (record == null) return Response.Status.NOT_FOUND;
        return record;
    });
}


@POST
public Response processCSV(CSVRecord request) {
    return ResponseHelper.process(request, csvRecord -> this.service.processRequest(csvRecord));
}
```

ResponseHelper

Webgrafia

Quarkus RESTeasy - https://quarkus.io/guides/rest-json

MongoDB panache: https://quarkus.io/guides/mongodb-panache

Quarkus Insights (MongoDB Panache): https://youtu.be/0rVxJxlexYI

Junit 5 test order: https://www.baeldung.com/junit-5-test-order