Coding task

Create a Spring Boot application that will allow to upload XML files via REST API, validate them against an XSD schema, parse the data from them and store it in the database.

The workflow looks like this:

1. A user sends an XML file via REST API.
2. The file is parsed and validated, its content goes to the table in the DB.
3. The content of the DB can be presented by the GUI, in the form of a table with possibility of sorting, paging & filtering (**creating a REST API for "front-end team" to prepare such GUI is enough**).

XML files have the following format (you can create several files for testing based on this example):

```xml
<?xml version="1.0" encoding="UTF-8"?>
<epaperRequest>
    <deviceInfo name="Browser" id="test@comp">
        <screenInfo width="1280" height="752" dpi="160" />
        <osInfo name="Browser" version="1.0" />
        <appInfo>
            <newspaperName>abb</newspaperName>
            <version>1.0</version>
        </appInfo>
    </deviceInfo>
    <getPages editionDefId="11" publicationDate="2017-06-06" />
</epaperRequest>
```

Please extract the content from *newspaperName* and *width*, *height*, *dpi* from *screenInfo* tag to the database. The upload time and filename should also be stored in the database.

Technology stack:

Java >= 8, Maven, Spring Boot, PostgreSQL or Mysql / MariaDB or MongoDB

Please upload your code to GitHub / GitLab and send us the link to the repository, so we can download and build the project (sending a zip file with the project is also possible).

Additional points for:

- unit tests and code comments (in English) if something isn't clear,
- **using docker to make it easier to start the project and check its operations,**
- readme with instructions on how to run the project (one CLI command is preferred) and test it.

Please inform us upfront about:

- the estimation (how many hours you need to do it),
- proposed deadline (when we will receive a solution from you).

Good luck! :)