M151

Project documentation

Blerinë Berisha

TBZ

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Blerinë's bookshop

Description

My bookshop is a small online store where a user can browse books and add them to their cart and edit their cart. The user can also view locations (countries and towns). The idea of that was that the user can view books trending in different locations or view authors from these locations to explore new writers. Unfortunately, due to time management issues that feature never made it into the application.

Architecture and frameworks/structure

I used a n-tier architecture for my project, the structures and frameworks for all (frontend, backend and database) can be found in the drawing below.
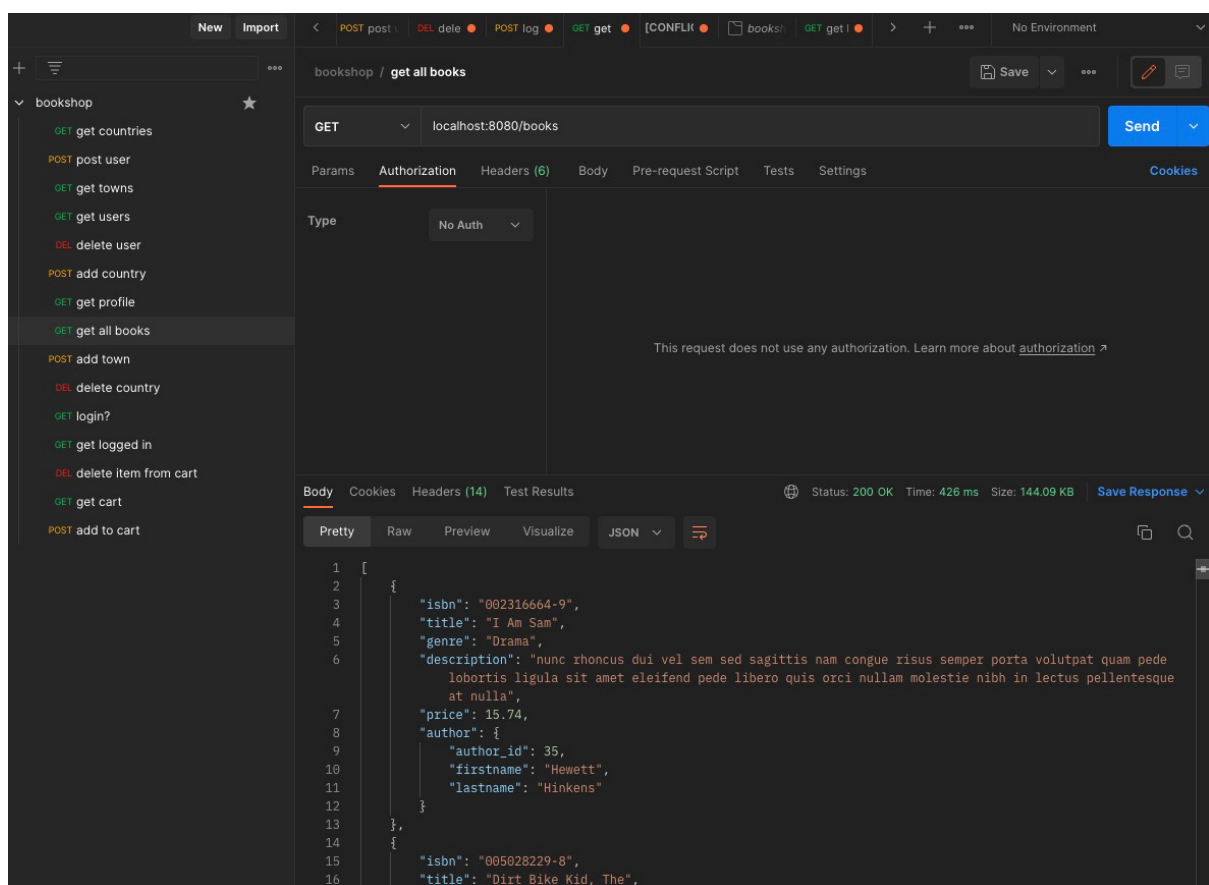
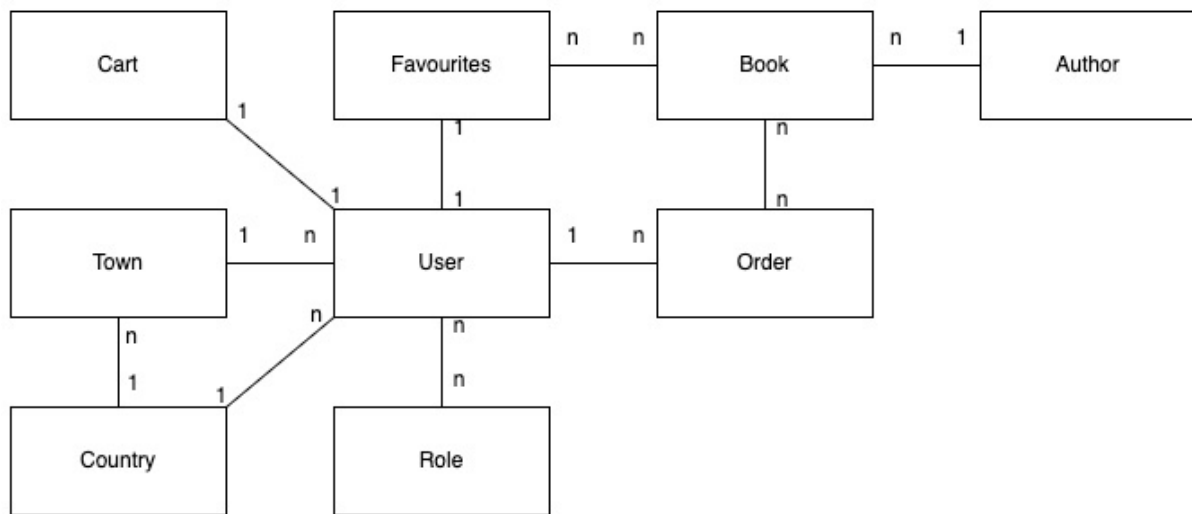In the frontend I used the atomic design (although not too strictly).

Test concept

My test concept is to test with Postman (manually and automated) and to write JUnit tests in the backend to ensure the methods return the correct data and to ensure that tokens and authentication, resp. authorization work like they're supposed to.

There should also be integration tests to make sure that the methods don't just work by themselves but in the applied system.
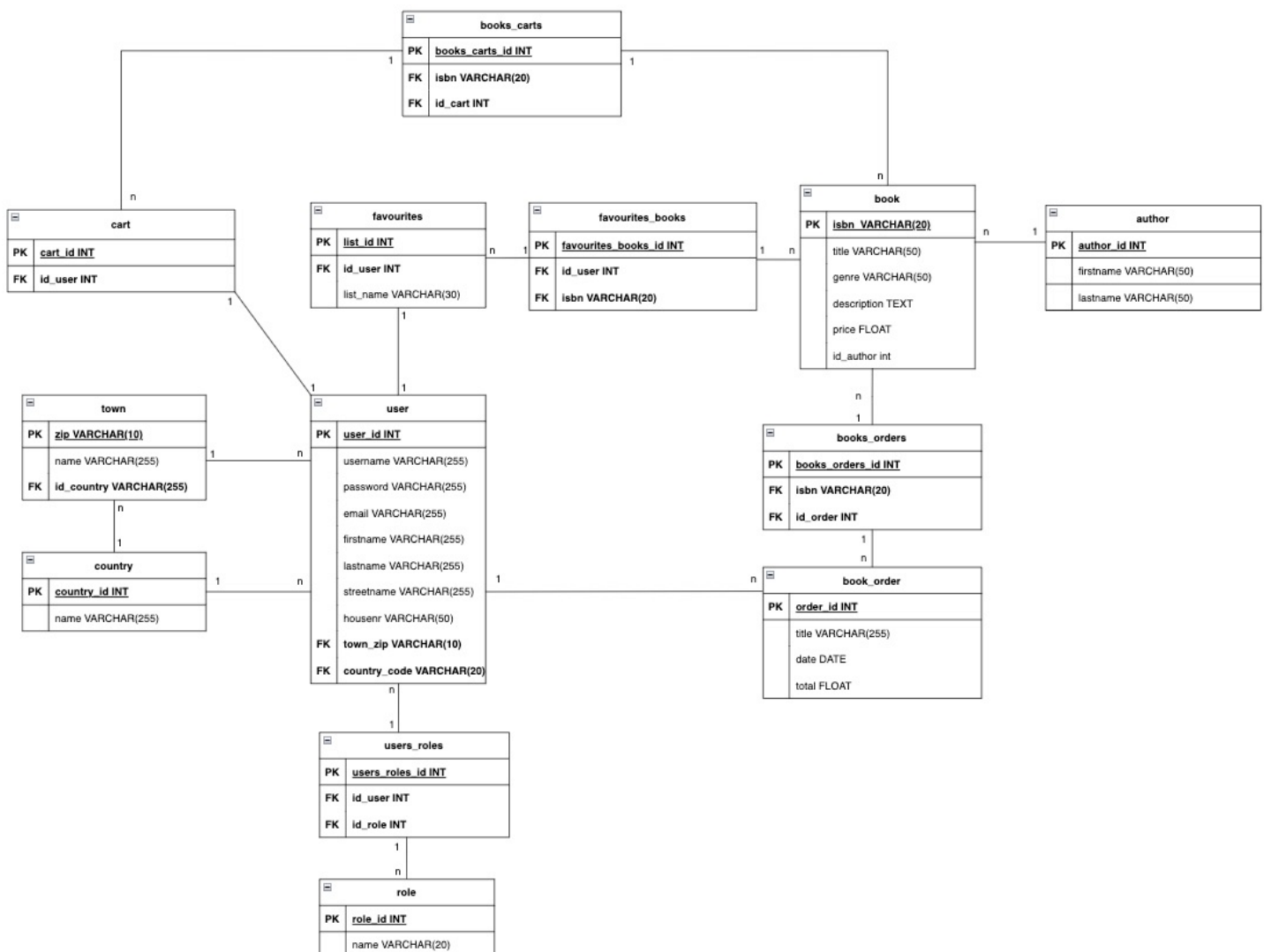
I've already used Postman to manually test the authentication and authorization.
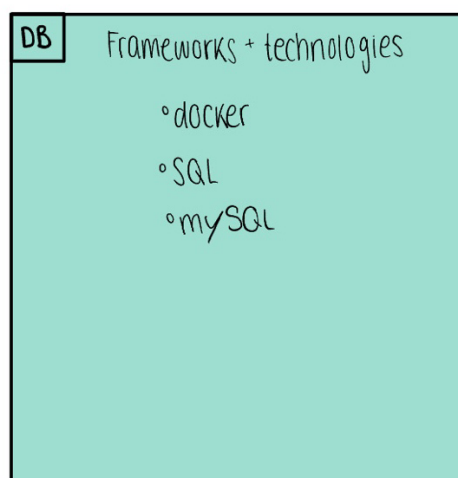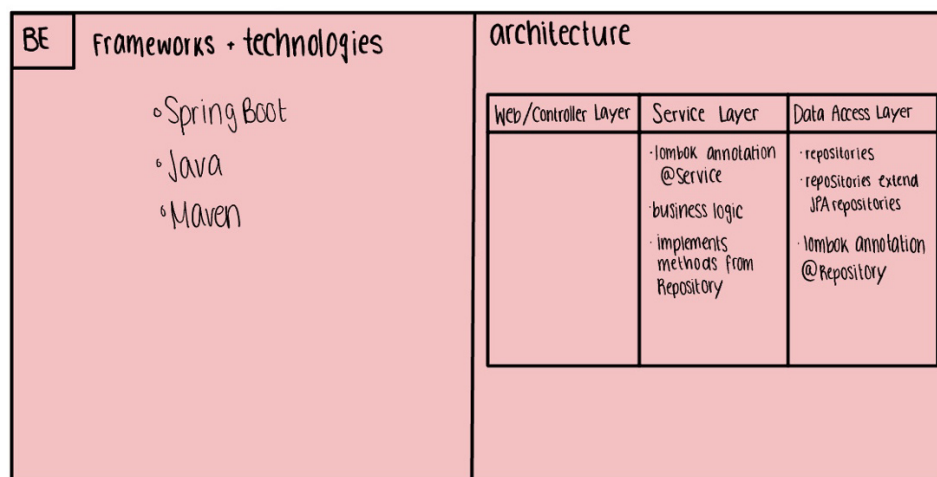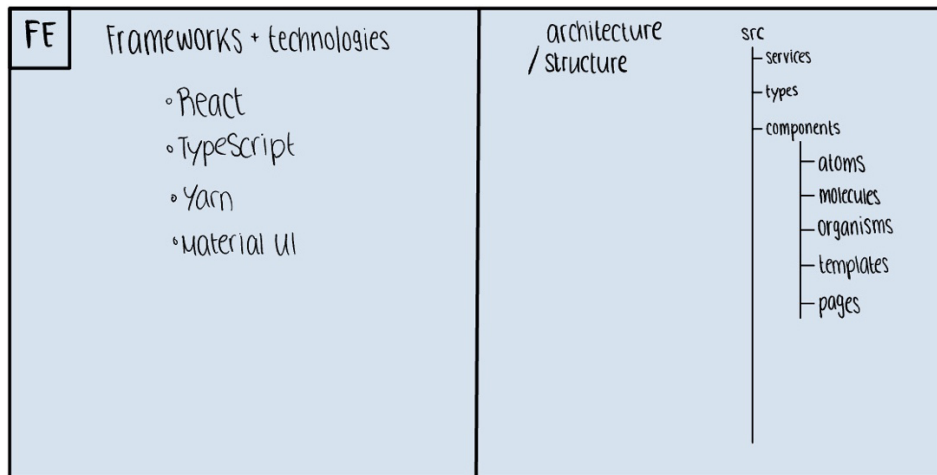
ERM

ERD

Sources, images

- ERM and ERD made in draw.io
- [Drawing below](#) made in Notability on my iPad

Drawing of project structure, technologies, architecture and frameworks

Conclusion, reflexion

I think all in all my application could be better. If I had had more time I could've implemented more, and I wouldn't have been under such time stress, but the time stress was also due to bad time management.

I think that this project has potential, and it was a steep learning curve for me; from simple endpoints not working up to having JWT authentication and authorization work for the first time in a project of mine, I think this project gave me a lot to consider when I must work on a similar project in the future.

I think another hurdle was to work on this big project in such a short time all by myself, but it was also a great challenge, which I think I tackled well.

I definitely have a lot to take into consideration for the next project, but this was a project that showed me how much can be done in a short timespan.