Design Document

Kaloyan Aleksiev – Individual Project

Northern Eagle Deliveries

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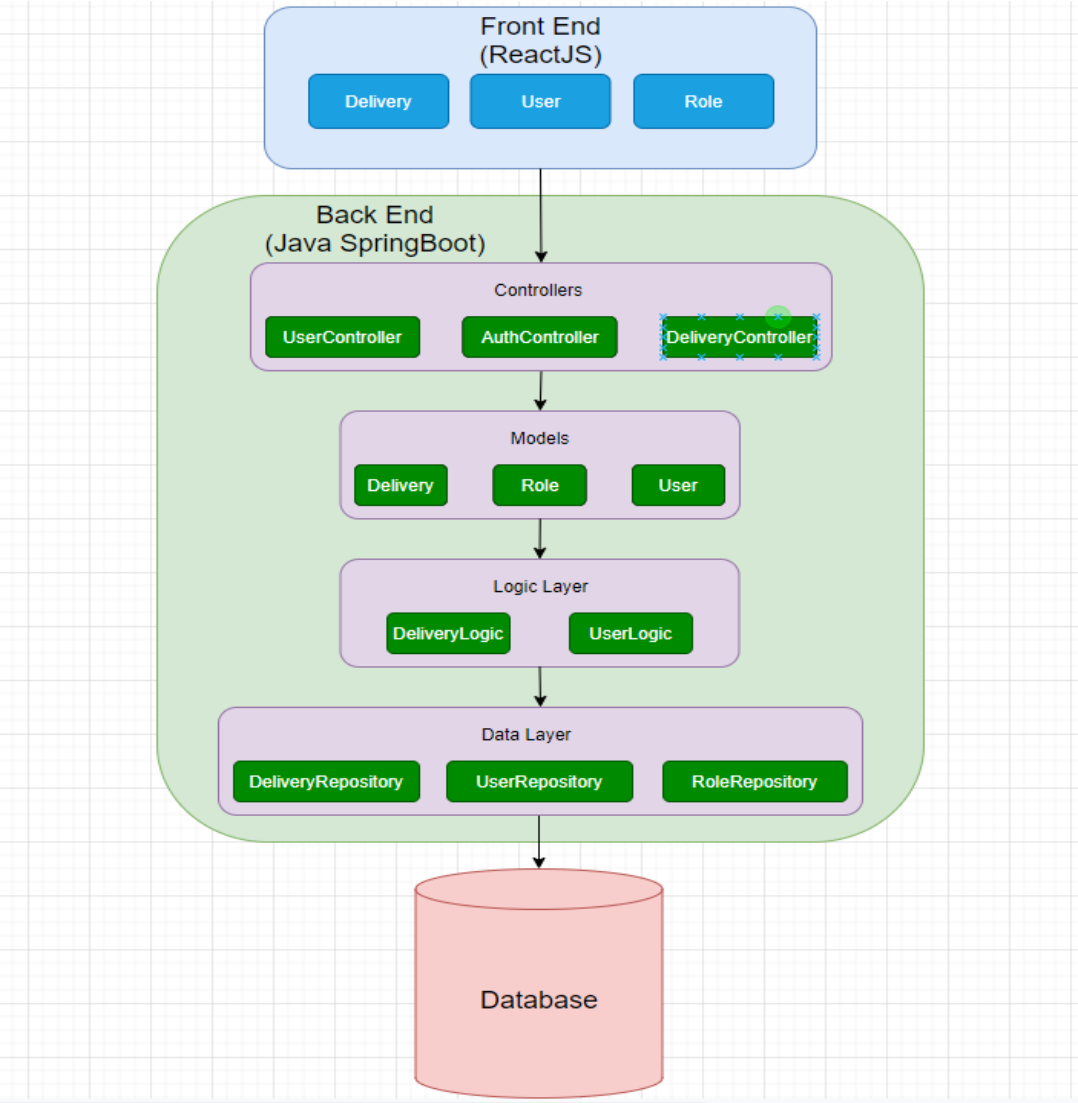
1. Higher lever architecture diagram



I chose to use this design because it guarantees that the SOLID principles of object oriented programming will be respected and I think the architecture is suitable for the project. Of course, some of the classes that take care of the security and the authentication are not included in this diagram.

2. Back-End framework choice

My back-end framework of choice is SpringBoot. The reason I went with it instead of Jersey is because I feel it is more beginner-friendly with all of its useful documentation (Spring Documentation, 2020) and guides, thus making it easier for me to understand how it works and to create everything that I will need for the project.

3. Front-End framework choice

The framework I chose to work with for my front-end is ReactJS. After doing the research and comparison between React (React Documentation, 2020), Angular (Angular Documentation, 2020) and Vue (Vue Documentation, 2020) along with my group project teammates, I decided that React would be the most interesting one to begin with. Thanks to it being the most used one out of the three, it has countless

articles/tutorials about it on the web, making it very easy to find information in case I get stuck. So far I have been enjoying it.

4. References

Angular Documentation. (2020, October). Retrieved from Angular: https://angular.io/

React Documentation. (2020, October). Retrieved from ReactJS: https://reactjs.org/

Spring Documentation. (2020, September). Retrieved from Spring IO: https://spring.io/

Vue Documentation. (2020, October). Retrieved from VueJS: https://vuejs.org/

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