High Level Design Document

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1.1 Desription of the project

This web project allows mentees to find mentors who have knowledge on the interested topic.

1.2 Features of the project

Two type of role is used on the project which are admins and users.
Users are able to do:

1. Mentor Search
2. Mentor application
3. Starting the mentorship
4. See the mentorship detail
5. Determine and edit the phases

Admins are able to

1.Approving or rejecting mentor application
2. Editin topic and subtopic

1.3 Technologies used for the project

Spring boot: To develop backend I used Spring boot since it has a great comunity.

Spring security: With the help of this framework role-based authorization is implemented. Also I used this framework with LDAP to authenticate the users.

Postgresql: I decided to use this database to save relational data.

HTML/CSS: Frontend.

Maven: For the dependency packaging.

React(Javascript): Since react is widely used I decided to choose this framework .

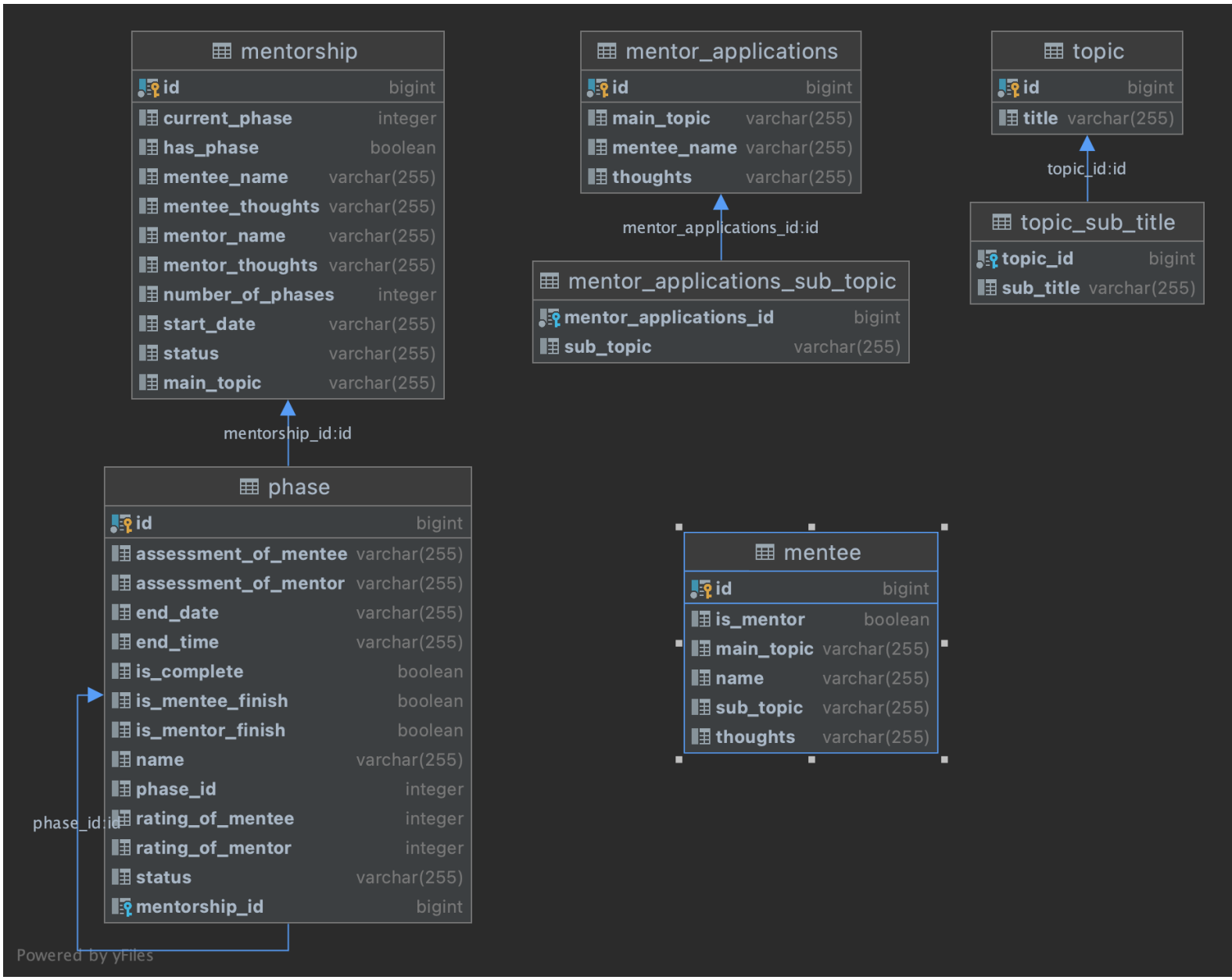
Material ui: I choose this framework to make better designed frontend.

ElasticSearch: I used this framework for free-text-search

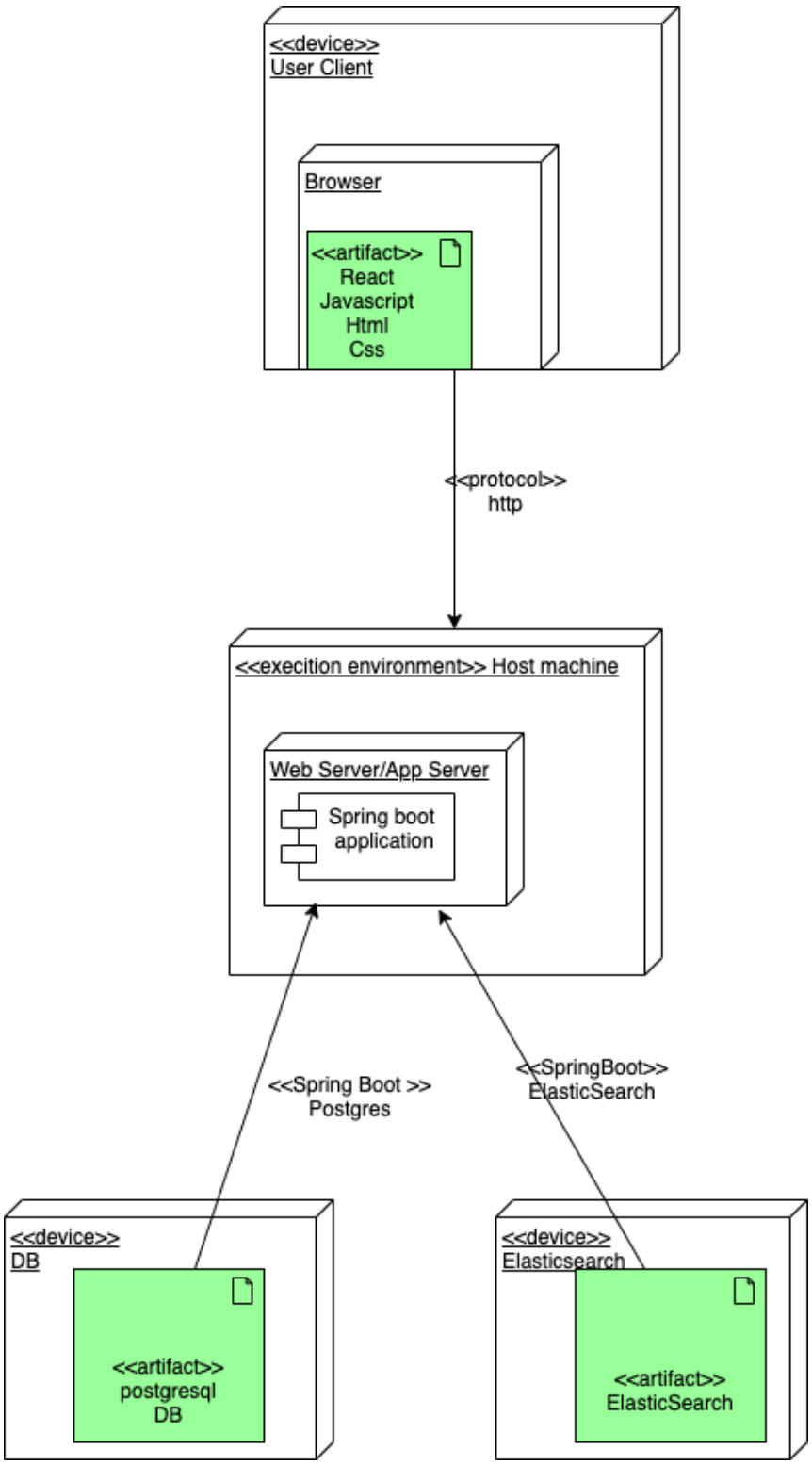
Swagger: This framework is used for the api documentation.

3- Project Diagrams

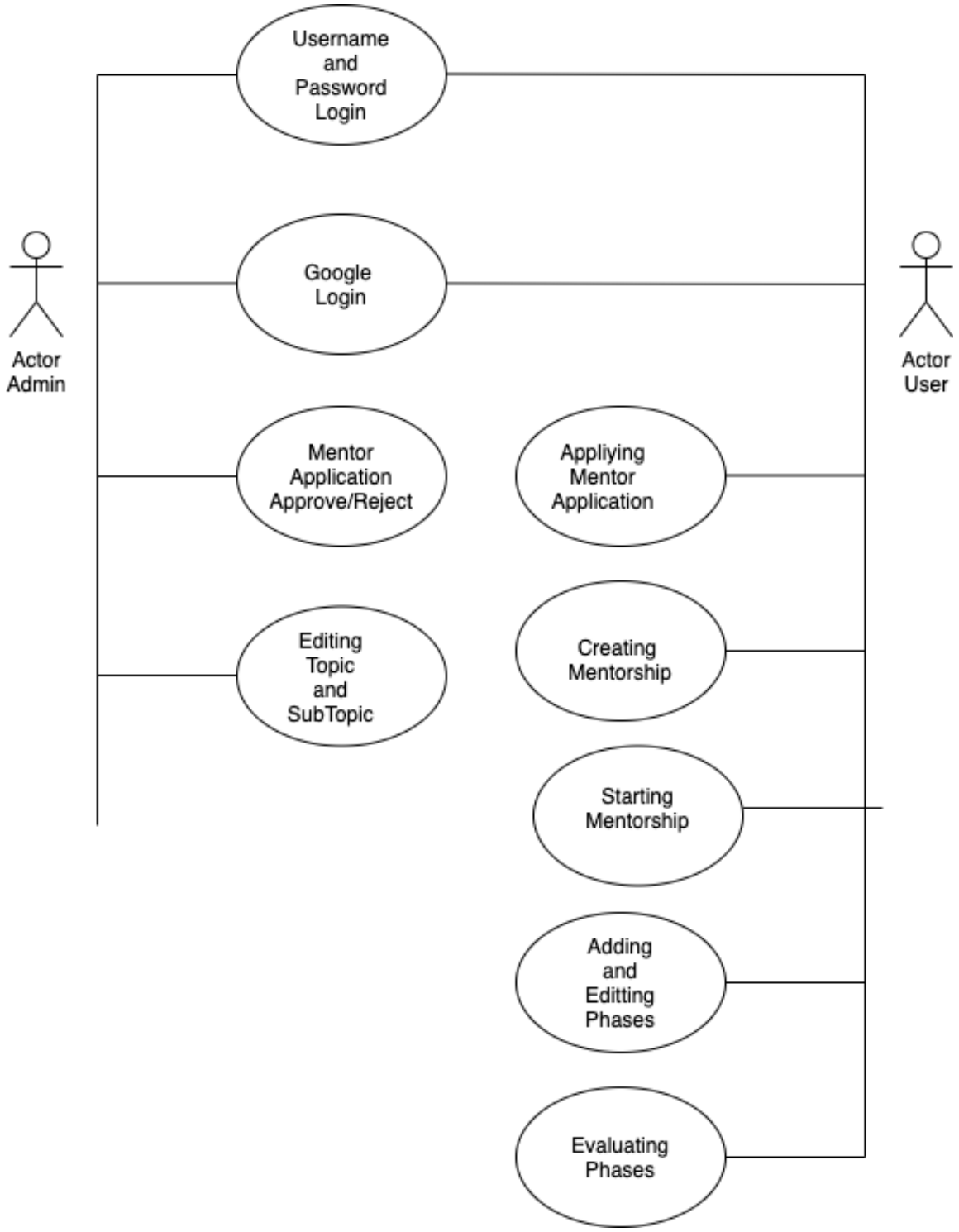
1- Database Diagram



2- Physical Deployment Diagram



3- Use Case Diagram



4-Class Diagram