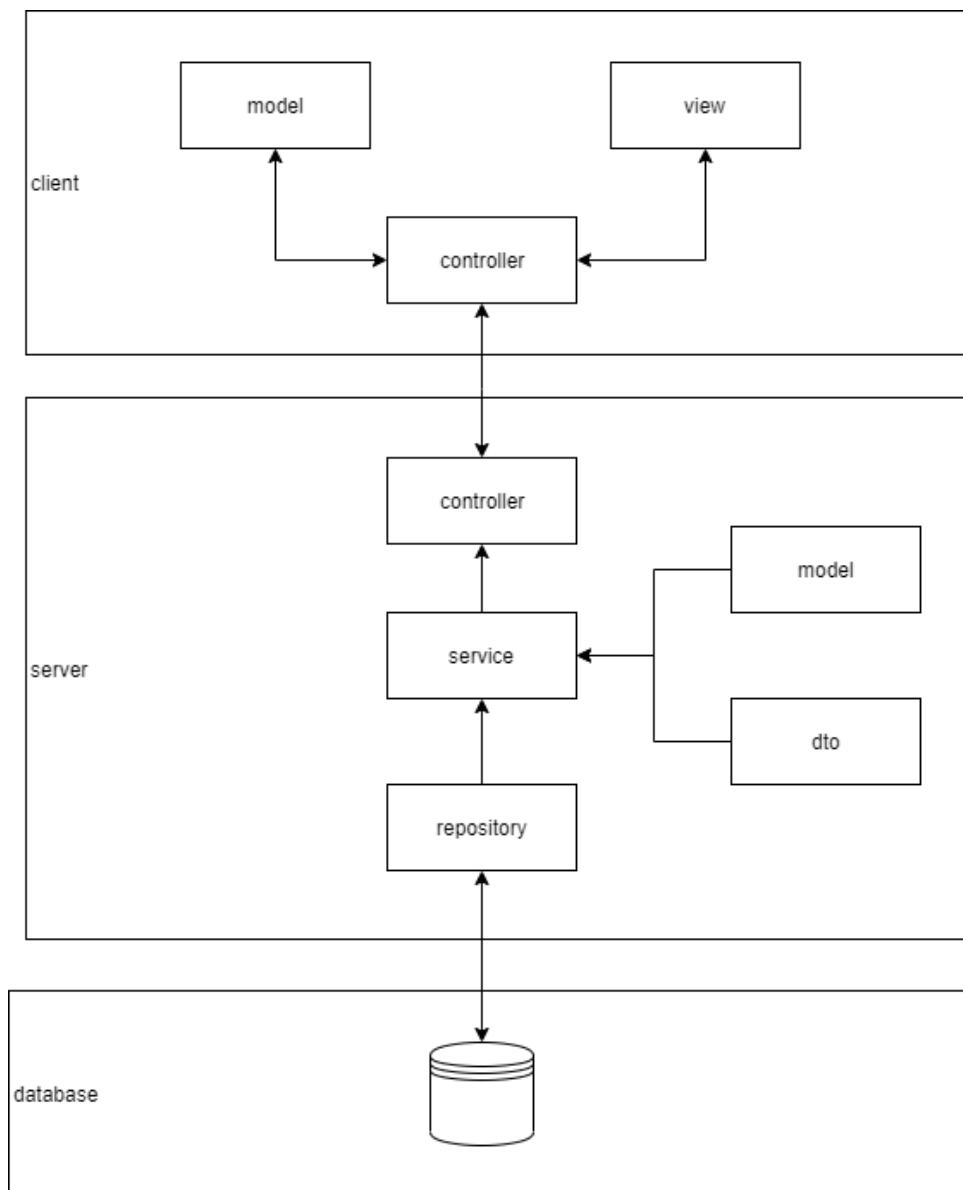# Online Medication Platform

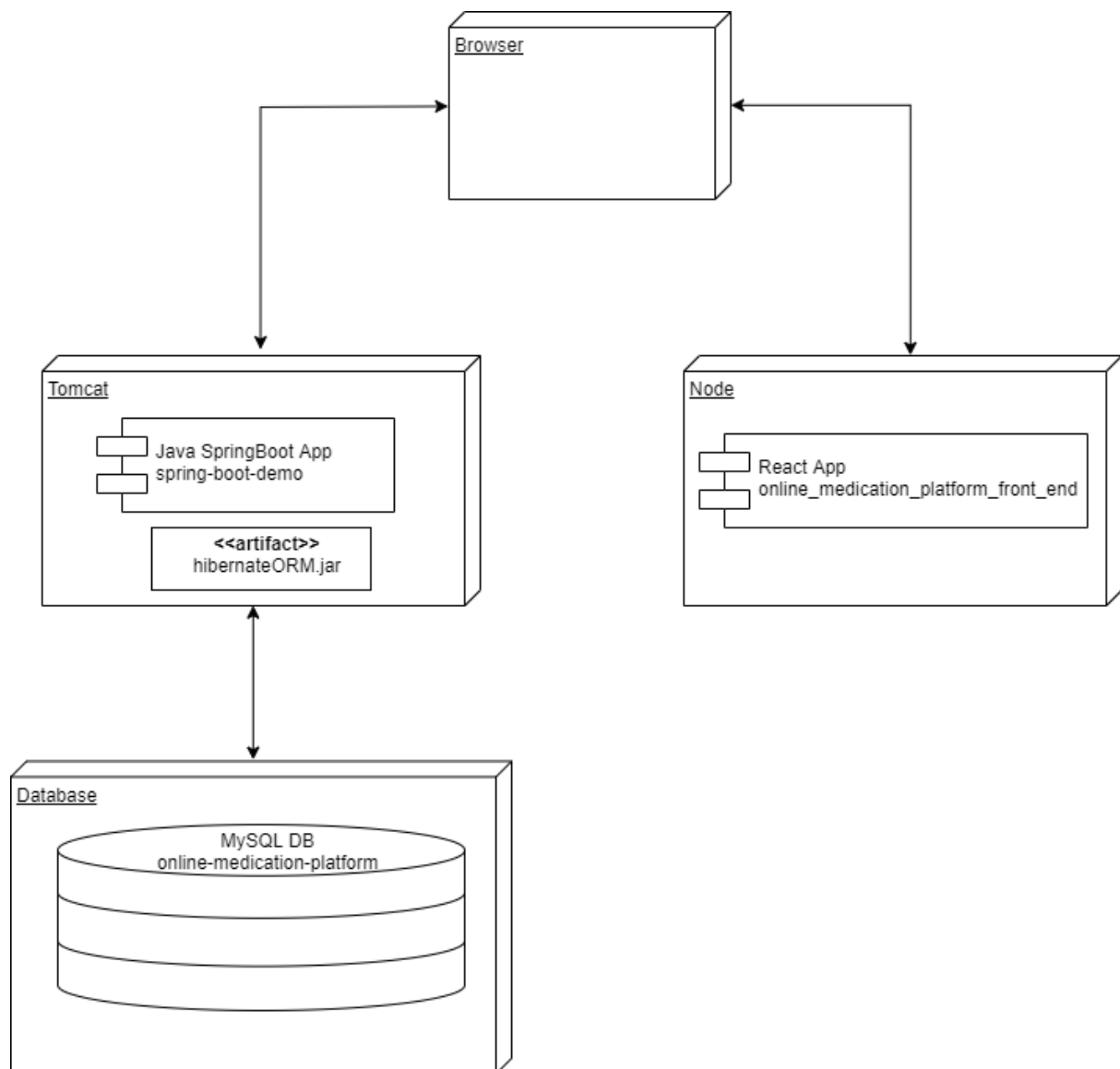## Documentation

Assignment I
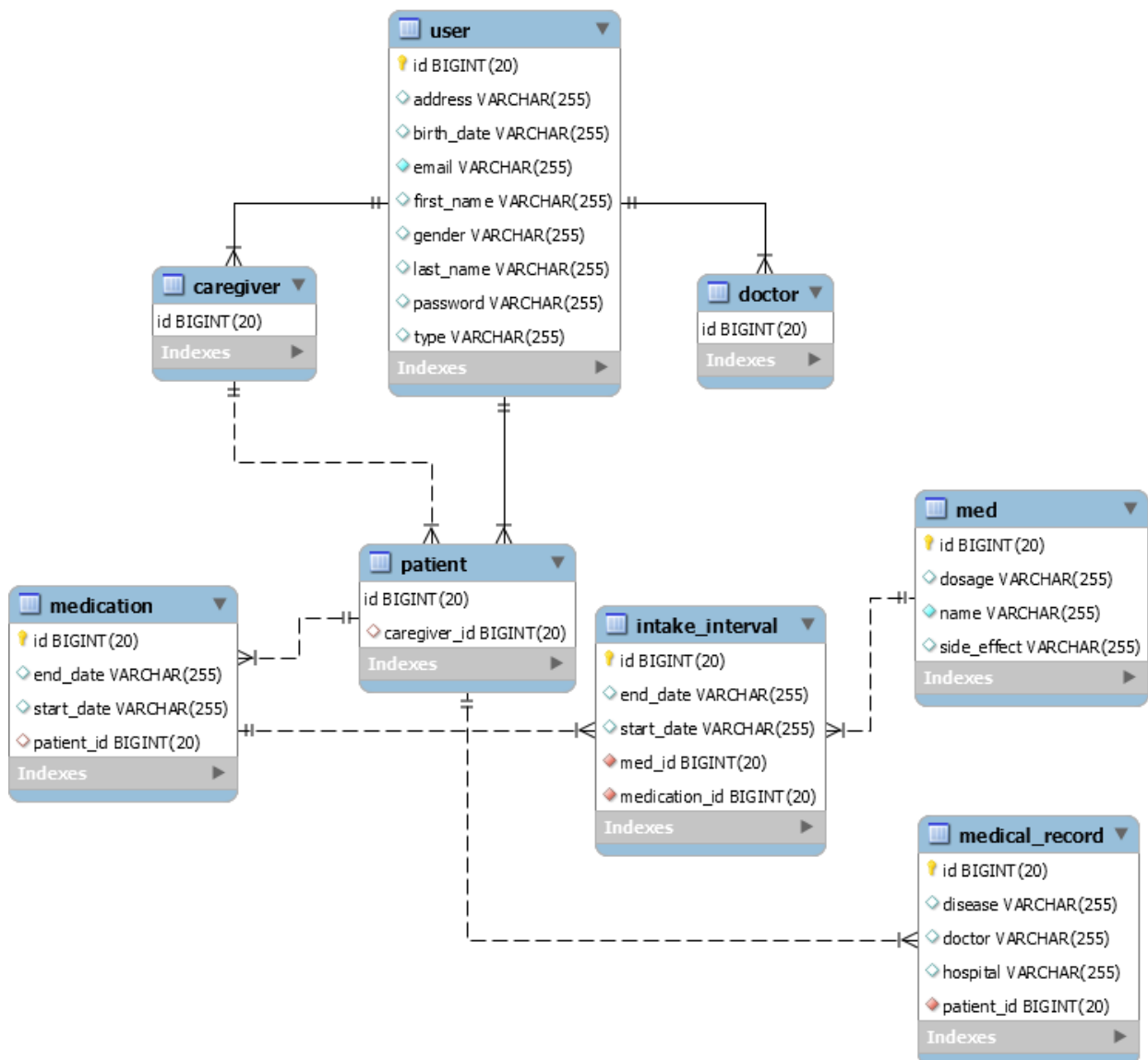
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1. Conceptual Architecture

The system has a client-server architecture but a in a distributed structure, as the resources reside conceptually in different location and communicate via computer network. The system partitions tasks between the service providers (servers) and the service requesters (clients). The server can run multiple services to efficiently share as many resources as possible in the shortest time. The server must be able to protect its resources from the unauthorize accesses and keep its integrity in case of cyberattacks. Clients do no share resources, but they are the session initiators, the servers must wait for any incoming message.

2. UML Deployment Diagram

Browser

Tomcat
Java SpringBoot App
spring-boot-demo

<<artifact>>
hibernateORM.jar

Node
React App
online_medication_platform_front_end

Database
MySQL DB
online-medication-platform

3. Database Design

4. Build / Execution Considerations

Steps:

a) Clone the **BitBucket** repository: **git clone**
b) Import the backend application in IDE (**IntelliJ** preferred) and let **Maven** install the dependencies
c) Create the **online-medication-platform** schema in **MySQL**
d) Start the backend application
e) Open the **online-medication-platform-front-end** frontend application folder and install the required modules by using **npm install** in command line
f) Start the frontend application with **npm start**
g) The application will be built on the local node server and will run in the default browser