



Simple **You** Implementation

creators:

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Functionality:

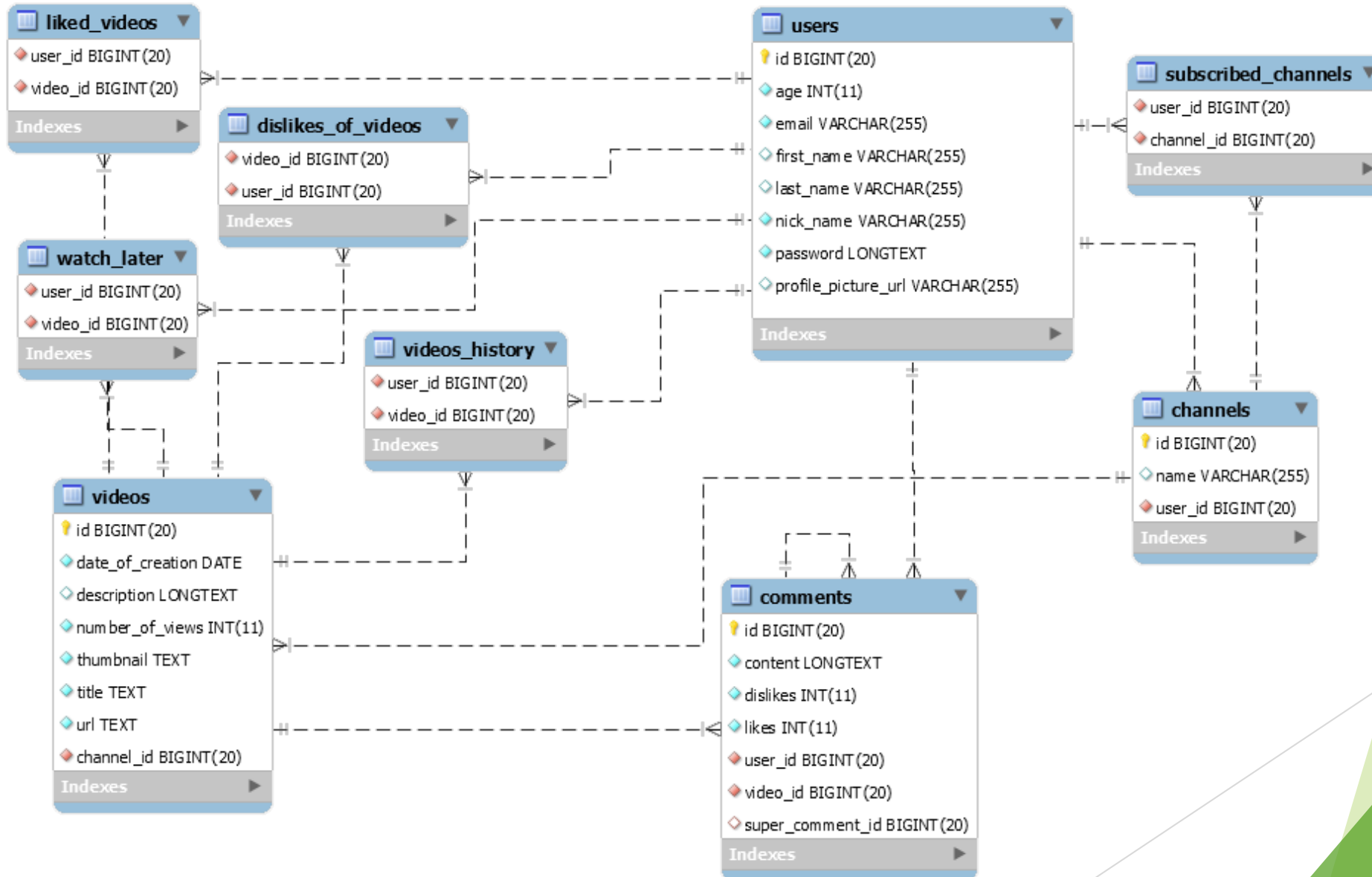
- ▶ **Recreate back-end logic of youtube.com;**
- ▶ **Operations:**
 - ❑ Sign up in site - Log in and Log out;
 - ❑ User must create a channel, in order to upload videos;
 - ❑ Each user can subscribe to other channel;
 - ❑ Each user can upload and delete his own videos;
 - ❑ Everyone (logged in or not) can watch videos;
 - ❑ Each user can add videos to watch later list;
 - ❑ User can Like/Unlike, Dislike/Remove dislike on a video;
 - ❑ Each video, liked by user is stored in liked videos list;
 - ❑ All videos, watched by user are added in watched videos list;
 - ❑ User can comment on a video - Like/Dislike comments.



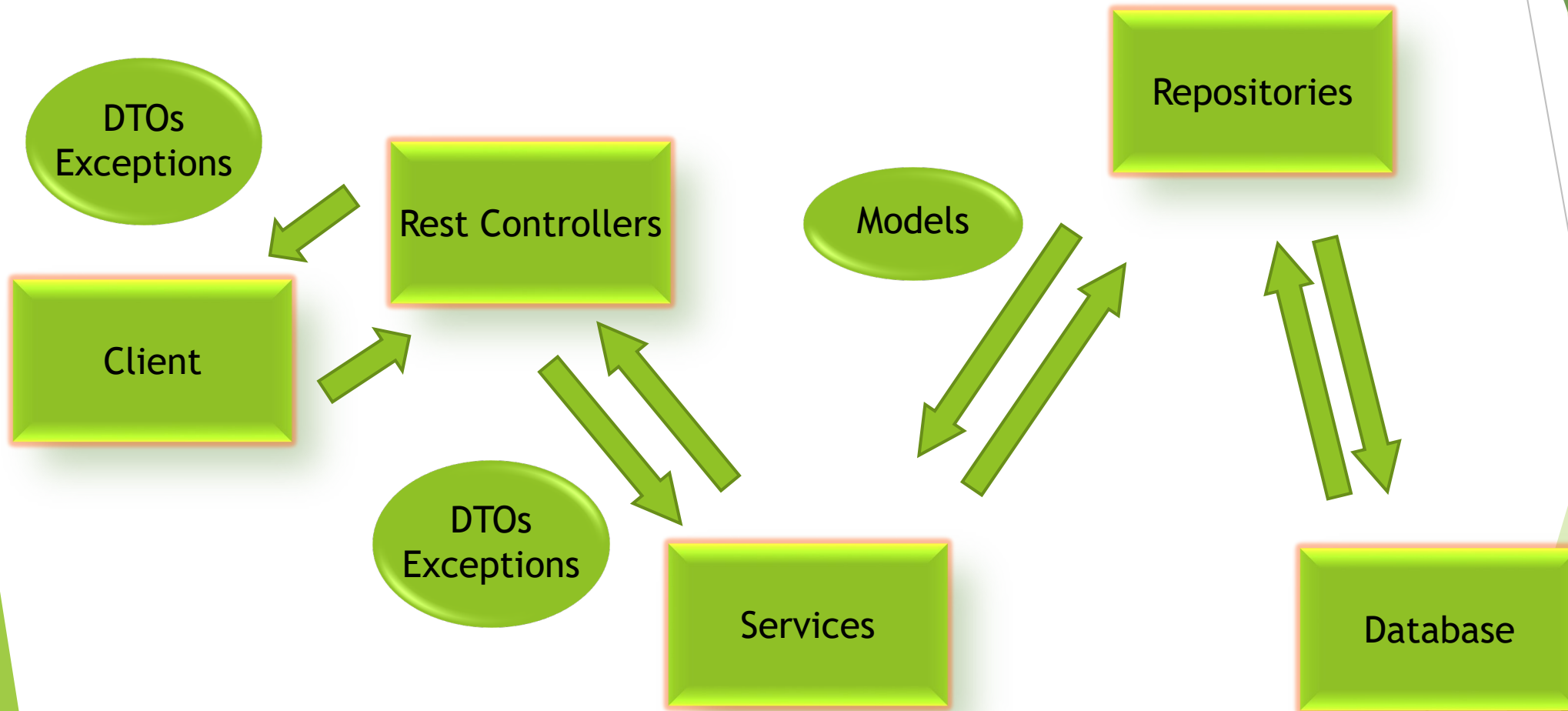
Technologies Used:

- ▶ **Java Platform, Enterprise Edition 8** 😊
- ▶ **SQL -> MySQL relational database;**
- ▶ **Spring Boot:**
 - ❑ DAL (Data Access Layer) -> @Repository -> Hibernate -> Manage requests to DB;
 - ❑ Model layer -> POJO -> @Entity -> JPA -> Object representation of DB tables;
 - ❑ Controllers layer -> @RestController -> @RequestMapping -> RESTful Web Service;
 - ❑ Service layer -> @Service -> Manage request - response logic;
 - ❑ DTO -> POJO -> Manage request - response data transfer;
 - ❑ Exceptions -> @ResponseStatus -> Manage response if validation fails;
 - ❑ Security -> BCrypt -> Inbuilt class for hashing passwords;
- ▶ **Project Lombok -> @Data, @NonNull, @NoArgsConstructor, etc.**

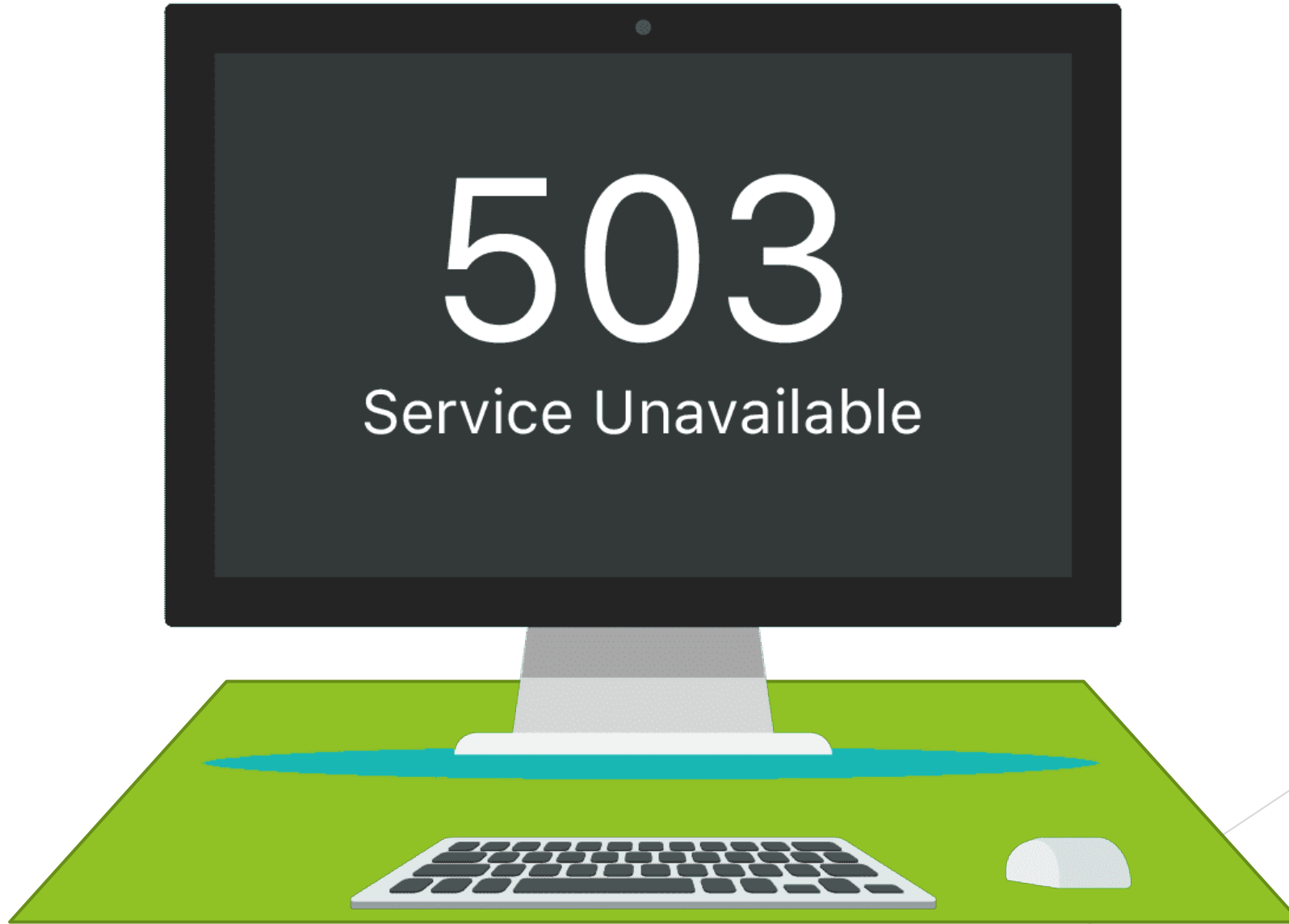
Database Architecture:



Project Structure:



Demonstration of functionality:



Thank you for your attention!

