

- Duplicate yesterday's project, and continue here
- Your goal is to implement the whole authentication, authorization functionality
- *Hint:* begin by creating 3 database tables: users, roles and users\_roles. Create many-to-many relationship
  - After that, start working on your Spring Boot project. You may start by implementing the User entity
- End result:
  - Use DTOs for all of the endpoints
  - Non-authenticated people must be allowed to POST to /api/users, in order to create a user
    - \* Once a user is created, return everything but the password back to the client. You will want to create a separate DTO to achieve this
  - Only admins may be allowed to query the GET endpoint /api/users
  - Only admins may be allowed to query the GET endpoint /api/users/{id}
  - Only admins may be allowed to use PUT on the endpoint /api/users/{id}
  - Only admins may be allowed to call DELETE on the endpoint /api/users/{id}
  - Test everything out, and make sure it all works
    - \* If client is not authenticated, they should expect to see 401 Unauthorized. If client is not able to use the resource because of lack of authority, they should expect to see 403 Forbidden.
      - Of course, all the other bean validation should work too, such as @NotNull and so; should return 400 Bad Request when fails, as well as a nicely formatted message. Decide by yourself, what validation makes most sense for UserDTO.