Instructions

Part 1 - Validation

Start out by checking out the "spring-boot-09-validation" project from our examples in Git. Then make the following changes:

1. Add a new entity "Customer" that has first and last name, birthday and email address (ID is auto-generated Integer). You will also have to create a corresponding table in DB.
2. Add validation annotations with the following rules:
    1. first and last name limited to 30 characters
    2. birthday is in the past
    3. email has proper email format (abc@xyz.com)
3. Use StartupRunner to insert a few sample rows to your DB and test the correct and incorrect data formats. Incorrect data formats should throw and exception

Part 2 - Security

1. Add JDBC based username/password and form-based authentication to this application. Make sure all endpoints still work.
2. You can use code from example "spring-boot-08-security-db-tables". Here are the steps that you need to follow:
    1. Add the required dependency (spring-boot-starter-security)
    2. Copy a clone of WebSecurityConfig to your project
    3. Create a username/password and a role table in DB
    4. Adjust the WebSecurityConfig as necessary
    5. Here is a useful article: https://www.baeldung.com/spring-security-jdbc-authentication