1. Started project with spring initializer
2. Created schema named exam in mysql workbench
3. In project application.properties inserted all properties of db
   1. url
   2. username
   3. password
   4. driver class name
4. also done hibernate configuration in same file
   1. dialect
   2. ddl-auto
   3. show-sql
   4. format\_sql
5. now kill the 8080 process if running
   1. netstat -ano | findstr 8080
   2. taskkill /F /pid 1088
6. now you can run it will show whitlabel error on port 8080
7. in project created entity package and added User entity with data(id,username,password,…..)
8. created constructor blank(both) and also getters and setters for properties
9. now annotate User with @Entity add table name also and specify ID and specify generation type
10. now you can run program to create table automatically in sql
11. now create same for ROLe entity
12. and UserRole entity and coattach them with hibernate mapping
13. CREATING NEW USER SERVICE -🡪
14. Before that create repository interfaces that extends with jpa repository with entity and id type
    1. RoleRepository
    2. UserRepository
15. Created userservice
16. Implementation
17. Also created local user with main and also saved in db

FRONTEND

1. Created components and pages
2. Created user service
3. Also made form in signup comoponent
4. Used service code to contact with api
5. Now jwt login add jjwt and jaxby in pom xml
6. Now it will need authorization every time
7. Can check in service impl by typing UserDetails
8. Now on user implement userdetails and import all methods
9. And do true on first 3
10. Now create Set authority in collection of user entity
11. And create class authority and implement Granted authority and import methods
12. In authority create authority string and constructor and return authority
13. Also created jwt response and request entity

SUMMARY:

* 1. Pom.xml 🡪 spring boot starter security, jjwt(token for authentication)
  2. Implement userdetails in user entity
  3. Then made jwtresponce and request

1. Now in impl create userdetailserviceimpl and implement userdetailservice
2. Now create config package and class mysecurityconfig
3. Also JwtAuthenticationFilter.java JwtAuthenticationEntryPoint.java
4. Add jwt utils from google