**Practice project**

Searching for a Specific User and Updating the User Information

writeup:

* Create a spring starter project and select all the dependencies.
* Create five packages(domain,repository,service,bootstrap and controller)
* In domain package, create a user class and declare the variables. To specify the class is an entity use ‘@Entity’ annotation and use ‘@Column’ to specify the variable as column.
* In repository package, create a userrepository interface and specify findById using container object. Use ‘@Repository’ to indicate the class as repository.
* In bootstrap package, create a class and implement commandlinerunner to indicate that a bean should run when it is contained within a [SpringApplication](eclipse-javadoc:%E2%98%82=SearchUser/C:\\/Users\\/varad\\/.m2\\/repository\\/org\\/springframework\\/boot\\/spring-boot\\/2.6.3\\/spring-boot-2.6.3.jar=/maven.pomderived=/true=/=/maven.pomderived=/true=/=/maven.groupId=/org.springframework.boot=/=/maven.artifactId=/spring-boot=/=/maven.version=/2.6.3=/=/maven.scope=/compile=/<org.springframework.boot(CommandLineRunner.class%E2%98%83CommandLineRunner%E2%98%82SpringApplication). Use ‘@Component’ to indicate class as component and set the values for the columns.
* In service package, create a userservice class and use ‘@Service’ annotation to indicate the class is a service. Create objects of user class and repository. Create a boolean method and display the current column values.
* In controller package, create a usercontroller class and use ‘@RestController’ annotation to indicate the class is controller. Create methods to display , search and update user using mapping.

JSP pages:

* error.jsp ----> Display error message and provide a button to go back to search page
* error-id-doesnt-exist.jsp ---> Display error : id doesn't exist and provide a button to go back to search page
* index.jsp ---> Create a form to get user name, password and description and while clicking submit , goes to update-successful jsp page.
* search-form.jsp ---> Create a form to get user id and goes to the responding jsp page depends on the id entered by user
* successful-update.jsp ---> Display values successfully updated

application.properties:

* Enter the database username, password and url.