**Spring Security with Authentication**

**Github link:**

[**https://github.com/saranya611/testapp/tree/main/SpringSecurityWithAuthentication**](https://github.com/saranya611/testapp/tree/main/SpringSecurityWithAuthentication)

**Write up:**

* Created a maven project using Spring Initilzr then, downloaded the zip file and imported it into eclipse.
* Added the dependencies to the pom.xml file that were necessary to run the project.
* Edited the Application Properties file to connect to my database, and added the username and password.
* Created a file for the homepage and added a login form. Users are redirected here unless they are authenticated.
* If the user logs in with valid credentials, they are taken to an index page.
* It has a view link which leads to the table displaying all the users. It also has a form to input the id of any user in the table.
* The user can then edit the name, email, and password of the specified user.
* Created a controller class which handles mapping for the homepage, index page, update page, and view page.
* Created an error controller which leads to an error page incase something goes wrong or the user tries to view a nonexistent page.
* Then added a user class, initialized it with the necessary components (id, name, email, password), and added getters and setters for these elements.
* Created UserRepository, a class that extends CrudRepository and allows me to make changes to the database.
* Created a class called userService that used userRepository to find from the database.
* To run the application

[**http://localhost:8091/**](file:///C:\Users\SARANYA%20V\Desktop\repository\SpringSecurityWithAuthentication\SpringSecuritywithAuthentication_code.docx)