**Assignments**

1. Make a simple “hello world” spring servlet.
2. Make a html form to collect student info, and print the collected information inside a spring servlet.
3. Make a simple login form using and after validating credentials, in next page should display the “Hello <Username>”.
4. Create Application for Registration and login.

* Welcome page should consist of two links, “Registration” and “Login”
* If User click on Registration, user should redirected to registration form and user should be able to enter following details.
* Username
* Firstname
* Lastname
* Password
* Once user submit registration form, user details should be saved in users list in the service layer and should be redirected to successful registration page which says “Your registration is successful and please [login](mailto:as) here”.
* If user click on login, it should redirected to login page where user will enter username and password.
* On submission of login credentials, user should be validated against his credentials provided previously which are stored in users list.
  1. If user is present in the list and password matches, we should redirect user to login successful page.
  2. If user is not present in the list or password not matches, we should redirect user to error page.

Steps to create servlet using XML configuration:

* + 1. Create Maven Project (pom.xml created)
    2. Add dependencies to pom.xml
    3. First create WEB-INF Folder inside webapp folder
    4. Create web.xml inside WEB-INF and provide servlet name and welcome file
    5. Create welcome file under webapp.
    6. Create <servlet-name>-servlet.xml and provide component scan and view resolver.
    7. Create base package which is provided in component scan.
    8. Create Controller with @Controller.
    9. Create different methods using @RequestMapping with different arguments
    10. Inside WEB-INF folder, create pages folder for storing jsps

Steps to create servlet using Java configuration:

1. Create Maven Project (pom.xml created)
2. Add dependencies to pom.xml
3. Create AppInitializer class and provide config class in the servlet config method
4. Create MvcConfig class with name provided above, and add component scan and view resolver bean.
5. Create Controller with @Controller.
6. Create different methods using @RequestMapping with different arguments
7. Inside WEB-INF folder, create pages folder for storing jsps