

Project Name: AuthN

URL: <http://localhost:7001/authn/AuthServlet>

JSP Files

1. home.jsp

- a. taglib "<http://java.sun.com/jsp/jstl/core>" with prefix= 'c'
"<http://java.sun.com/jsp/jstl/function>" with prefix='fn'
"<http://java.sun.com/jsp/jstl/sql>" with prefix='sql'
- b. getting the session "user" name
- c. check whether the user name is "admin"
do the SQL query for all users information from Database = jdbc/oraDS
display the users' list in a table
show who is in USE as status = "1"
Operations:
 - Add new user
 - Delete user
 - Unlock user who is in USE with a status = "1"
- d. Go to "UserRegJSP.jsp" (form **action**=UserRegJSP.jsp) if one of the operations is selected
Access the database to do insert for 'Add' operation, update for "Unlock" operation and delete for 'Delete' operation.
Once the operation is done, it returns to home page (home.jsp)
- e. If there is mismatch in password, there will be error message displaying "Invalid Credentials"

Java Files

1. AuthServlet.java

- a. @Inject annotation to have class AuthBean (AuthBean.java)
- b. Process the HTTP request session using Servlet.http.Servlet
- c. Getting the parameter for "action"
 - if "action" = "Login", get parameters username ("usrn") and password ("pwd")
 - Use the class AuthBean to verify the status of username for "1" or "0"
 - AuthBean method checkIfLoggedIn() will return a **true** if the userid is already logged in and a **false** if the userid is not "inUse" status
 - Use the class AuthBean to validate the username and password
 - AuthBean method loginNow() returns "invalid" if the username and password are incorrect or mismatch
 - If the validations are all good, the AuthBean setLoggedInStatus() method will update the user's status of "inUse" to "1" and request a dispatcher to "home.jsp"
- Otherwise if the "action" = "Logout"
 - Get the user http session attribute
 - AuthBean method setLoggedOutStatus() will set the user's status of inUse = 0 and invalidate the user's http session
 - Request a dispatcher to "login.jsp"

JSP

Login.jsp – is the starting page to have the user to login with password.

Home.jsp - home page with header.jsp and footer.jsp to display the user table if the user is “admin”, otherwise will display a home page image for other users.

UserRegJSP.jsp – define the methods to insert, update and delete using SQL commands to revive the database AUTH_TBL from Oracle database.

Header.jsp – define the header of the HTML page

Footer.jsp – define the footer of the HTML page.

Business Logic

AuthBean.java methods to define the validation logic of the user inputs and parameters

AuthServlet.java methods to define the HTTP sessions logic

