

LoginController.java Code

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package edu.deakin.sit218.coachwebapp.controller;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
import javax.servlet.http.Cookie;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestParam;
import javax.servlet.http.HttpServletResponse;

import edu.deakin.sit218.coachwebapp.dao.ClientDAO;
import edu.deakin.sit218.coachwebapp.dao.ClientDAOImpl;
import edu.deakin.sit218.coachwebapp.entity.Client;

@Controller
public class LoginController {

    @RequestMapping("/showLogin")
    public String login() {
        return "plain-login";
    }

    @RequestMapping("/authenticateTheUser")
    public String authenticateTheUser(@RequestParam("username") String username,
                                     @RequestParam("password") String password,
                                     Model model, HttpServletRequest request,
    HttpServletResponse response) {
        ClientDAO dao = new ClientDAOImpl();

        if (dao.areCredentialsCorrect(username, password)) {
            Client client = dao.retrieveClient(username);
            Cookie foo = new Cookie("foo", "bar");
            foo.setHttpOnly(true);
            response.addCookie(foo);

            HttpSession session = request.getSession();
            session.setAttribute("user", client.getUsername());

            return "redirect:/workout";
        } else {
            model.addAttribute("errorMessage", "Wrong combination of password and
username");

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        return "plain-login";
    }
}

@RequestMapping("/logout")
public String logout(HttpServletRequest request) {
    HttpSession session = request.getSession(false);
    if (session != null) {
        session.invalidate(); // Invalidate session on logout
    }
    return "redirect:/showLogin"; // Redirect to login page
}
}
```