```java
package fi.paatti.research.paattiapplication;

import com.vaadin.ui.Alignment;
import com.vaadin.ui.ComponentContainer;
import com.vaadin.ui.LoginForm;
import com.vaadin.ui.LoginForm.LoginEvent;
import com.vaadin.ui.VerticalLayout;
import fi.paatti.paattidatabaseutils.dbobjects.User;
import fi.paatti.paattiloginutils.CookieInfo;
import fi.paatti.paattiloginutils.RoleNames;

/**
 * Login view for the application.
 *
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 */
public class LoginWindow extends VerticalLayout {

    private static final long serialVersionUID = 1L;
    private PaattiResearchApplication application;
    private ComponentContainer container;
    private LoginForm loginForm;

    /**
     * LoginWindow constructor.
     *
     * @param application the main application.
     * @param container the main component container of the application.
     */
    public LoginWindow(PaattiResearchApplication application, ComponentContainer container) {
        application.getMainWindow().setCaption("Kirjautuminen Paattiin!");
        this.application = application;
        this.container = container;
        initUI();
        initLogic();
    }

    /**
     * Initializes the login window.
     */
    private void initUI() {
        loginForm = new LoginForm();

        addComponent(loginForm);
```

```java
        setComponentAlignment(loginForm, Alignment.MIDDLE_CENTER);

        // Sets loginForm center of the screen.
        setSizeFull();
        loginForm.setSizeUndefined();
    }

    /**
     * Initializes the view logic by creating a specific LoginListener to the
     * login form.
     */
    private void initLogic() {
        loginForm.addListener(
            new LoginForm.LoginListener() {

                private static final long serialVersionUID = 1L;

                public void onLogin(LoginEvent event) {
                    String username = event.getLoginParameter("username");
                    String password = event.getLoginParameter("password");

                    User user = application.getLoginHelper().getUser(username, password);

                    if (user != null && user.hasRoleInAnyGroup(RoleNames.ROLE_RESEARCHER)) {
                        application.setUser(user);

                        application.getLoginHelper().setLoginCookie(CookieInfo.COOKIE_RESEARCH_USERNAME, username,
                            CookieInfo.COOKIE_RESEARCH_PASSWORD, password, CookieInfo.COOKIE_RESEARCH_PATH,
                            CookieInfo.COOKIE_RESEARCH_LIFETIME);

                        getWindow().setContent(container);
                        application.getMainWindow().setCaption("Paatti Research");
                    }
                }
            });
    }
}
```