Struts Dialogs Mail Reader: Login

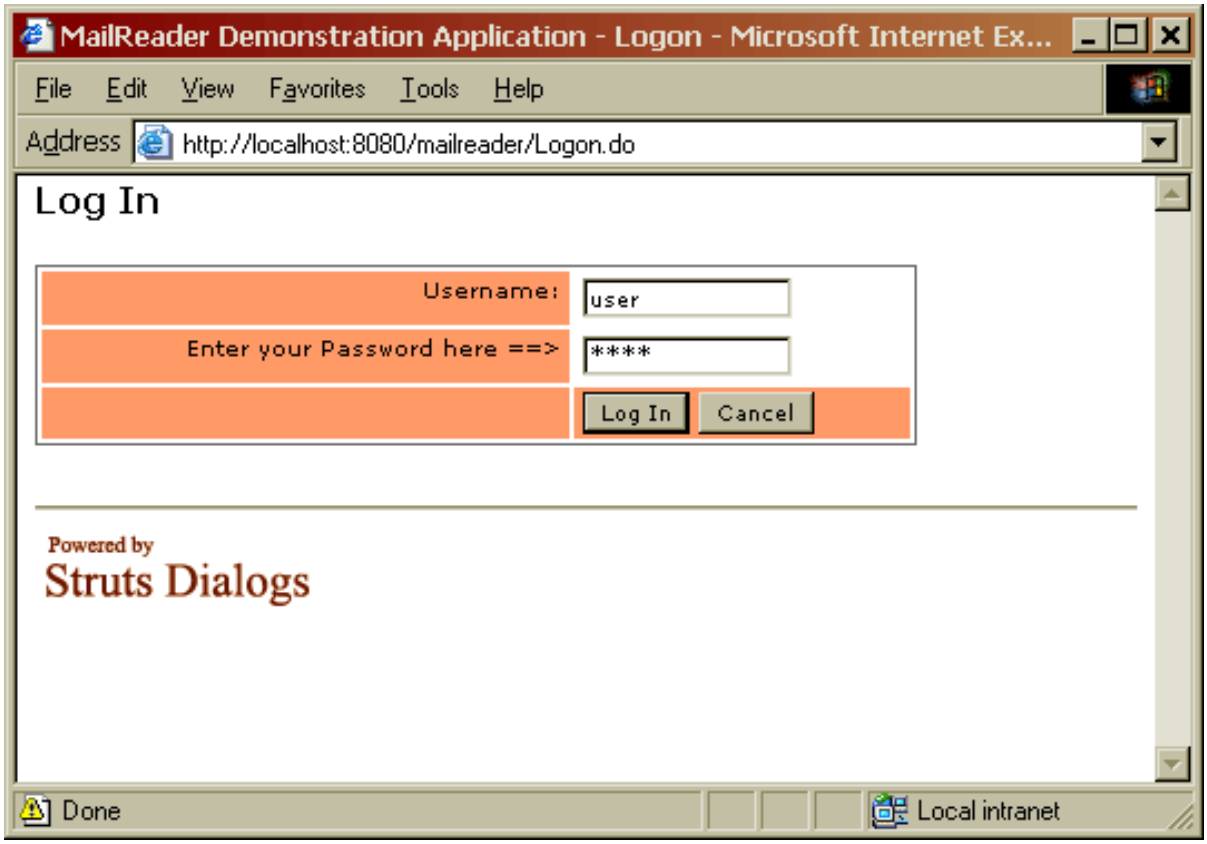
1. Overview

Logon component carries out the following functions:

- Logs a user in
- Logs current user out
- Displays information about logged-in user

Login component is controlled by one action (LoginAction) and has two views: `login.jsp` and `logout.jsp`.

`login.jsp` is shown to a non-logged-in user and allows either to log in using existing user account.



MailReader Login

`logout.jsp` is shown to a logged-in user and allows to check current user's name and to log off the applicaiton.

MailReader Logout

2. Login action

MailReader's `LoginAction` class does not differ much from standard Login Component. The only difference that instead of saving a name of logged-in user in the session, it saves the whole User object, which contains additional account information. Another difference is that `LoginAction` uses dynabean to store user's name and password, and Commons Validator to check input values.

```
public ActionForward onLogon (ActionMapping mapping,
                              ActionForm form,
                              HttpServletRequest request,
                              HttpServletResponse response)
  throws Exception {

  // Validate user credentials, use Commons Validator
  ActionMessages errors = form.validate(mapping, request);

  // Local variables
  UserDatabase database = getUserDatabase(request);
  String username = (String) PropertyUtils.getSimpleProperty(form, "username");
  String password = (String) PropertyUtils.getSimpleProperty(form, "password");

  // Retrieve user from database
  if (errors.isEmpty()) {
```

```
    // Load user; if not found, errors will be set
    User user = getUser(database, username, password, errors);
    // If user not found, this effectively logs out current user
    SaveUser(request, user);
  }

  // Errors found; reload dialog and display errors
  if (!errors.isEmpty()) {
    this.saveDialogErrors(request.getSession(), errors);
    return EventForward.DIALOG_RELOAD;

  // Successfully logged in; navigate to home page
  } else {
    return mapping.findForward("success");
  }
}
```

3. Logon pages

Logon component has two pages. `login.jsp` is shown to a non-logged-in user and allows either to log in using existing user account. `logout.jsp` is shown to a logged-in user and allows to check current user's name and to log off the application. The following code selects the appropriate page depending on application state:

```
public ActionForward getDialogView(ActionMapping mapping,
                                   ActionForm form,
                                   HttpServletRequest request,
                                   HttpServletResponse response)
  throws Exception {
  // Mark response as non-cachable
  setNoCache(response);

  // Display page, corresponding to login state.
  HttpSession session = request.getSession();
  if (session.getAttribute(Constants.USER_KEY) == null) {
    return mapping.findForward("notloggedin");
  } else {
    return mapping.findForward("loggedin");
  }
}
```

4. Next: Subscriptions component

Next: the Subscriptions component.