

## DT228/3 Software Engineering III Lab 6 (Weeks 9 & 10)

**Eclipse – Patterns Implementation - this lab sheet continues from the previous (lab 5) sheet.**

**Note: Ensure you have completed lab 5 before starting this lab sheet. You can complete this lab sheet over the next number of weeks.**

### Task 1

Add to / modify the codebase to implement the following use case:

**Name:** List All Users

**Pre-condition:** User has logged in and is presented with the option to list all users.

1. User clicks on button *List Users*.
2. System displays a list of all users stored in the system (for the purposes of this exercise, the format of the display is at the developer's discretion).

#### Tips:

- Modify the *UserDao* class so that it implements a method called *getAllUsers()* which returns a *List* of *User* objects (we covered this kind of code in class).
- Modify the *UserService* class so that it implements a method called *getAllUsers()* which returns a *List* of *User* objects.
- Write a new class called *ListUsersCommand* that will implement the appropriate *execute* method. This class should use the *UserService* class to retrieve the list of users, it should then make that list available to the session and return the name of the view which will display those users.
- Write a new view (JSP) that will display the users. The following java code will retrieve the *List of Users* that was put into the session by the *Command* object:

```
List<User> users;  
users = (List)(request.getSession().getAttribute("users"));
```

## Task 2

Add to / modify the codebase to implement the following use case:

**Name:** View User Profile

**Pre-condition:** User has logged in and is presented with the option to list all users / view user profile.

1. User clicks on button *View My Profile*.
2. System displays the current user's profile as depicted below.
  - **Tip:** Write a *ViewUserProfile* command class but remember we already have the current user object stored in the session – all we have to do is to get to a View that can then access it...
- 2.

**View Profile for: smithj**

ID: 1

First Name: John

Last Name: Smith

Password: password