

Practical No. 18

Objective: Demonstrate a user login application using Struts.

Theory:

Apache Struts 2 is an elegant, extensible framework for creating enterprise-ready Java web applications. This framework is designed to streamline the full development cycle from building, to deploying and maintaining applications over time. Apache Struts 2 was originally known as WebWork 2.

Source Code:

Login.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body>

        <form name="login" action="login.do">

            <input type="text" name="username" value="" /> <input
            type="text" name="email" value="" />
            <input type="submit" name="submit" value="submit"/>

        </form>
    </body>
</html>
```

Success.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ taglib uri="http://struts.apache.org/tags-bean" prefix="bean" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
        Page</title>
    </head>
    <body>
        Login Successful...!!
        Your Username is
        <bean:write name="LoginActionFormBean" property="username"/> <br> Your Email
        ID is
        <bean:write name="LoginActionFormBean" property="email"/> <br> </body>
    </html>
```

Failure.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ taglib uri="http://struts.apache.org/tags-bean" prefix="bean" %>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"> <title>JSP
        Page</title>
    </head>
    <body>
        Login Failed..!!
        Your Username is
        <bean:write name="LoginActionFormBean" property="username"/> <br> Your Email
        ID is
        <bean:write name="LoginActionFormBean" property="email"/> <br>
    </body>
</html>

```

LoginFormBean.java

```

package com.myapp.struts;

import javax.servlet.http.HttpServletRequest; import
org.apache.struts.action.ActionErrors; import
org.apache.struts.action.ActionMapping; import
org.apache.struts.action.ActionMessage;

public class LoginFormBean extends org.apache.struts.action.ActionForm {

    private String name;
    private int number;

    private
    String username;      private
    String email;       public String
    getUsername() {      return
    username;
    }

    public void setUsername(String username) {
    this.username = username;
    }

    public String getEmail() {
    return email;
    }

    public void setEmail(String email) {
    this.email = email;
    }

    public String getName() {
    return name;
    }
}

```

```

        public void setName(String string) {
name = string;
    }
        public int getNumber() {
return number;
    }
        public void setNumber(int i) {
number = i;
    }

        public LoginActionFormBean() {
super(); }
        public ActionErrors validate(ActionMapping mapping, HttpServletRequest request) {
ActionErrors errors = new ActionErrors(); if
(getName() == null || getName().length() < 1) {
    errors.add("name", new ActionMessage("error.name.required"));
}
        return errors; }}}
```

LoginAction.java package

```

com.myapp.struts;

import javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse; import
org.apache.struts.action.ActionForm; import
org.apache.struts.action.ActionForward; import
org.apache.struts.action.ActionMapping;

public class LoginAction extends org.apache.struts.action.Action { private static
final String SUCCESS = "success"; private static final String FAILURE =
"failure"; @Override

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

    LoginActionFormBean lfb=(LoginActionFormBean)form;

    if(lfb.getUsername().equals("yash")&&lfb.getEmail().equals("yash.ojha@gmail.com"))
    {
        return mapping.findForward(SUCCESS);
    }
    else
    {
        return mapping.findForward(FAILURE);
    }}}
```

Output:

