

WEB TECHNOLOGY LABORATORY

ASSIGNMENT 8

Design a login page with entries for name, mobile number email id and login button. Use struts and perform following validations

- Validation for correct names
- Validation for mobile numbers
- Validation for email id
- Validation if no entered any value
- Re-display for wrongly entered values with message

Congratulations and welcome page upon successful entries

CODE

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
        http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
    id="WebApp_ID" version="4.0">

    <display-name>struts_validation</display-name>

    <welcome-file-list>
        <welcome-file>index.jsp</welcome-file>
    </welcome-file-list>

    <filter>
        <filter-name>struts2</filter-name>
        <filter-
class>org.apache.struts2.dispatcher.filter.StrutsPrepareAndExecuteFilter<
/filter-class>
    </filter>

    <filter-mapping>
        <filter-name>struts2</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
</web-app>
```

index.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login</title>
```

```

<s:head />
</head>

<body bgColor="lightGreen">
    <s:form action="Login">
        <s:textfield name="userName" label="User Name"
placeholder="Default 'Sanjyot'"/>
        <s:password name="password" label="Password" />
        <s:textfield name="phoneNumber" label="Phone Number"
placeholder="10 digit phone number"/>
        <s:textfield name="email" label="Email" type="email" />
        <s:submit value="Login" />
    </s:form>
</body>
</html>

```

welcome.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Login Successful</title>
</head>

<body>
    <h3> Congratulations! You have logged in successfully.</h3>
    <h4> Welcome <s:property value="userName"/>!!! </h4>
</body>

```

login.java

```

package com.SanjyotPanure.struts2;

import com.opensymphony.xwork2.ActionSupport;

public class Login extends ActionSupport {

    private String userName;
    private String password;
    private String phoneNumber;
    private String email;

    public String execute() {
        return SUCCESS;
    }

    public String getUserName() {
        return userName;
    }

    public void setUserName(String userName) {

```

```
        this.userName = userName;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }

    public String getPhoneNumber() {
        return phoneNumber;
    }

    public void setPhoneNumber(String phoneNumber) {
        this.phoneNumber = phoneNumber;
    }

    public String getEmail() {
        return email;
    }

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

    public void validate() {
        if (getUserName().length() == 0) {
            addFieldError("userName", "UserName is required");
        }
        else if (!getUserName().equals("Sanjyot")) {
            addFieldError("userName", "Invalid User");
        }

        if (getPassword().length() == 0) {
            addFieldError("password", getText("Password is
required"));
        }

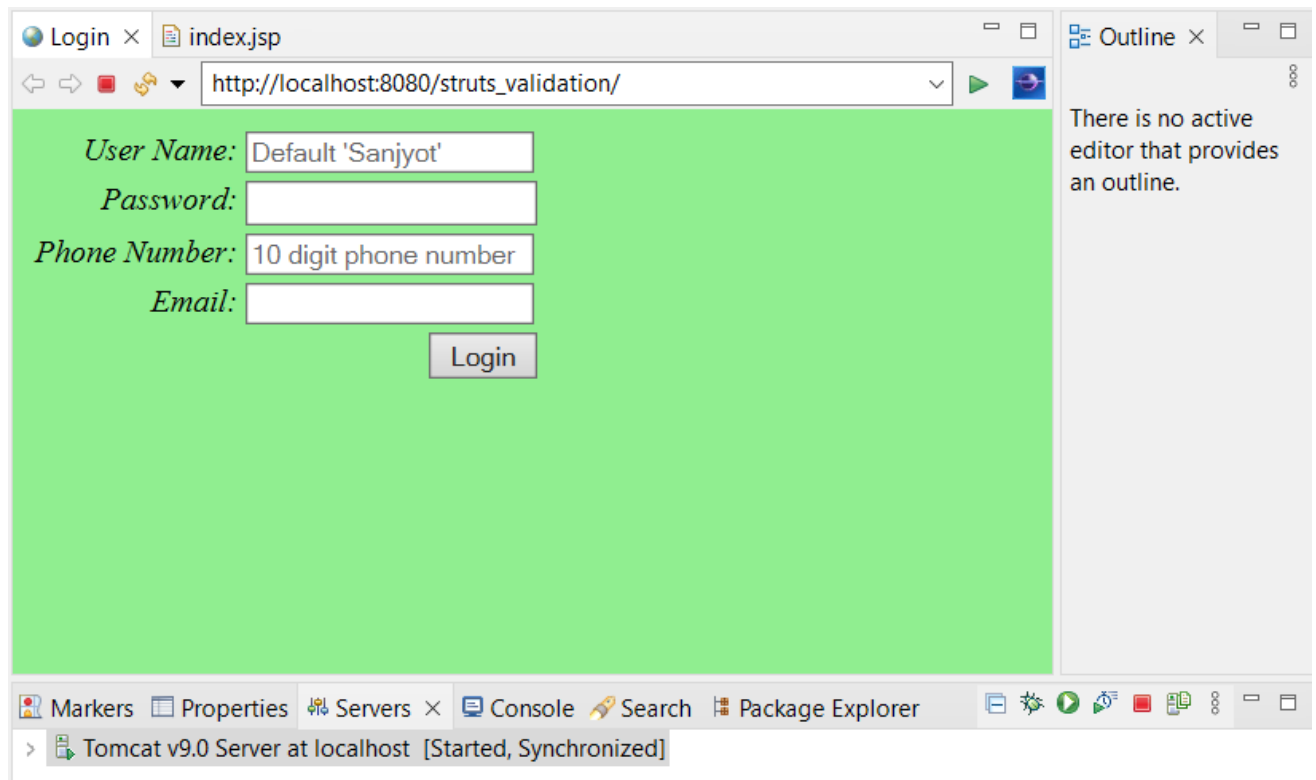
        if (getPhoneNumber().length() == 0) {
            addFieldError("phoneNumber", getText("Phone Number is
required"));
        }
        else if (!(getPhoneNumber().length() == 10)) {
            addFieldError("phoneNumber", "Enter 10 digit phone
number");
        }
        if (getEmail().length() == 0) {
            addFieldError("email", getText("Email is required"));
        }
    }
}
```

struts.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE struts PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"
    "http://struts.apache.org/dtds/struts-2.0.dtd">
<struts>
<constant name="struts.custom.i18n.resources" value="LoginAction" />
    <package name="default" extends="struts-default" namespace="/">
        <action name="Login" class="com.SanjyotPanure.struts2.Login" >
            <result name="success">welcome.jsp</result>
            <result name="input">index.jsp</result>
        </action>
    </package>
</struts>
```

OUTPUT / SCREENSHOTS



Login × index.jsp

http://localhost:8080/struts_validation/Login.action

User Name:

Password:

Enter 10 digit phone number

Phone Number:

Email:

Login

Login Successful × index.jsp

http://localhost:8080/struts_validation/Login.action

Congratulations! You have logged in successfully.

Welcome Sanjyot!!!