**Product.java**

public class Product {

Integer productId;

String productName;

Integer productPrice;

public Product(Integer productId, String productName, Integer productPrice) {

super();

this.productId = productId;

this.productName = productName;

this.productPrice = productPrice;

}

public Integer getProductId() {

return productId;

}

public void setProductId(Integer productId) {

this.productId = productId;

}

public String getProductName() {

return productName;

}

public void setProductName(String productName) {

this.productName = productName;

}

public Integer getProductPrice() {

return productPrice;

}

public void setProductPrice(Integer productPrice) {

this.productPrice = productPrice;

}

}

**RegisterAction.java**

import java.util.ArrayList;

import java.util.Date;

import java.util.List;

import com.opensymphony.xwork2.ActionSupport;

import com.opensymphony.xwork2.Preparable;

public class RegisterAction extends ActionSupport {

String firstName;

String lastName;

String gender;

Integer age;

String email;

String address;

String selectedColor;

List<String> colors;

Boolean subscription;

List<String> hobbies;

String selectedHobbies;

List<Product> products;

public String initializeFormFields()

{

initializeColors();

initializeHobbies();

initializeProducts();

return "input";

}

public void initializeColors()

{

colors = new ArrayList<String>();

colors.add("Red");

colors.add("Blue");

colors.add("Green");

colors.add("White");

}

public void initializeHobbies()

{

hobbies = new ArrayList<String>();

hobbies.add("Drawing");

hobbies.add("Teaching");

hobbies.add("Singing");

hobbies.add("Programming");

}

public void initializeProducts()

{

products = new ArrayList<Product>();

products.add(new Product(111,"Mobile Phone",10000));

products.add(new Product(222,"Camera",7000));

products.add(new Product(333,"TV",20000));

products.add(new Product(444,"Laptop",30000));

}

public String execute()

{

System.out.println("execute() method called");

if(subscription == true)

{

System.out.println("You are a subscriber");

}

else

{

System.out.println("You are NOT a subscriber");

}

return "success";

}

public String getFirstName() {

return firstName;

}

public void setFirstName(String firstName) {

this.firstName = firstName;

}

public String getLastName() {

return lastName;

}

public void setLastName(String lastName) {

this.lastName = lastName;

}

public String getGender() {

return gender;

}

public void setGender(String gender) {

this.gender = gender;

}

public Integer getAge() {

return age;

}

public void setAge(Integer age) {

this.age = age;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getAddress() {

return address;

}

public void setAddress(String address) {

this.address = address;

}

public String getSelectedColor() {

return selectedColor;

}

public void setSelectedColor(String selectedColor) {

this.selectedColor = selectedColor;

}

public List<String> getColors() {

return colors;

}

public void setColors(List<String> colors) {

this.colors = colors;

}

public Boolean getSubscription() {

return subscription;

}

public void setSubscription(Boolean subscription) {

this.subscription = subscription;

}

public List<String> getHobbies() {

return hobbies;

}

public void setHobbies(List<String> hobbies) {

this.hobbies = hobbies;

}

public String getSelectedHobbies() {

return selectedHobbies;

}

public void setSelectedHobbies(String selectedHobbies) {

this.selectedHobbies = selectedHobbies;

}

public List<Product> getProducts() {

return products;

}

public void setProducts(List<Product> products) {

this.products = products;

}

/\*public void validate()

{

if (firstName.equals("")) {

addFieldError("firstName", "First name is required.");

}

if (lastName.equals("")) {

addFieldError("lastName", "Last name is required.");

}

if (gender == null) {

addFieldError("gender", "Gender is required.");

}

if (age == null) {

addFieldError("age", "Age is required.");

}

else if(age <= 18)

{

addFieldError("age", "Age should be above 18.");

}

if (email.equals("")) {

addFieldError("email", "Email is required.");

}

}\*/

}

**struts.xml**

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

<!DOCTYPE struts PUBLIC

"-//Apache Software Foundation//DTD Struts Configuration 2.5//EN"

"http://struts.apache.org/dtds/struts-2.5.dtd">

<struts>

<package name="register" extends="struts-default">

<action name="registerAction" class="RegisterAction">

<result name="success">/welcome.jsp</result>

<result name="input">/register.jsp</result>

</action>

<action name="formLoadAction" method="initializeFormFields" class="RegisterAction">

<result name="input">/register.jsp</result>

</action>

</package>

</struts>

**register.jsp**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<%@ taglib prefix="s" uri="/struts-tags" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Registration Form</title>

<s:head/>

</head>

<body>

<h2>Registration Form</h2>

<s:form action="registerAction">

<s:textfield name="firstName" label="First Name" />

<s:textfield name="lastName" label="Last Name" />

<s:radio name="gender" list="{'Male','Female'}" label="Gender" />

<s:textfield name="age" label="Age" />

<s:textfield name="email" label="Email" />

<s:textarea name="address" cols="30" rows="7" label="Address"/>

<s:select list="colors" name="selectedColor" headerKey="None" headerValue="Select a color" label="Favourite Color" />

<s:checkbox name="subscription" value="true" label="Subscribe to our newsletter"/>

<s:checkboxlist list="hobbies" name="selectedHobbies" label="Hobbies" />

<s:reset value="Reset" />

<s:submit value="Register" />

</s:form>

<table border="1" width="300">

<tr>

<th>Product ID</th>

<th>Product Name</th>

<th>Product Price</th>

</tr>

<s:iterator value="products" var="product">

<tr>

<td>

<s:property value="#product.productId"/>

</td>

<td>

<s:property value="#product.productName"/>

</td>

<td>

<s:property value="#product.productPrice"/>

</td>

</tr>

</s:iterator>

</table>

</body>

</html>

**welcome.jsp**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<%@ taglib prefix="s" uri="/struts-tags" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Welcome</title>

</head>

<body>

<h2>Welcome</h2>

<s:label value="First Name:" />

<s:property value="firstName"/><br/>

<s:label value="Last Name:"/>

<s:property value="lastName"/><br/>

<s:label value="Gender:"/>

<s:property value="gender"/><br/>

<s:label value="Age:"/>

<s:property value="age"/><br/>

<s:label value="Email:"/>

<s:property value="email"/><br/>

<s:label value="Address:"/>

<s:property value="address"/><br/>

<s:label value="Favourite Color:"/>

<s:property value="selectedColor"/><br/>

<s:label value="Hobbies:"/>

<s:property value="selectedHobbies"/>

<s:if test="%{subscription == true}">

<div>You are a subscriber</div>

</s:if>

<s:else>

<div>You are NOT a subscriber</div>

</s:else>

</body>

</html>