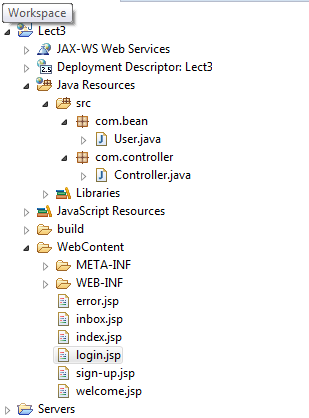
Lecture 4

Form Registration with Validation



index.jsp

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

pageEncoding=*"ISO-8859-1"*%>

<!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>Insert title here</title>

</head>

<body>

<h1>This is Index</h1>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=login"*>Login</a>

</body>

</html>

login.jsp

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

pageEncoding=*"ISO-8859-1"*%>

<!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>Insert title here</title>

</head>

<body>

<h1>Login</h1>

<font color=*"red"*><%=request.getAttribute("msg") %></font>

<form method=*"post"* action=*"*<%=request.getContextPath() %>*/Controller"*>

<input type=*"hidden"* name=*"action"* value=*"login\_form"* />

Username: <input type=*"text"* name=*"username"* value=*"*<%=request.getAttribute("username") %>*"*/>

<br><br>

Password: <input type=*"text"* name=*"password"* value=*"*<%=request.getAttribute("password") %>*"*/>

<br><br>

<input type=*"submit"* name=*"submit"* value=*"login"* />

</form>

<br>

<a href=*"*<%=request.getContextPath() %>*/Controller?action=sign-up"*>Sign-Up</a>

</body>

</html>

sign-up.jsp

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

pageEncoding=*"ISO-8859-1"*%>

<!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>Insert title here</title>

</head>

<body>

<font color=*"red"*><%=request.getAttribute("msg") %></font>

<BR>

<form action=*"*<%=request.getContextPath() %>*/Controller"* method=*"post"*>

<input type=*"hidden"* name=*"action"* value=*"sign-up-form"* />

Name: <input type=*"text"* name=*"name"* value=*"*<%=request.getAttribute("name") %>*"* /><br><br>

Email: <input type=*"text"* name=*"email"* value=*"*<%=request.getAttribute("email") %>*"* /> <br><br>

Password: <input type=*"text"* name=*"password"* value=*"*<%=request.getAttribute("password") %>*"* /><br><br>

Re-Password: <input type=*"text"* name=*"re-password"* value=*"*<%=request.getAttribute("re-password") %>*"* /> <br><br>

<hr>

contact: <input type=*"text"* name=*"contact"* value=*"*<%=request.getAttribute("contact") %>*"* /><br><br>

Address: <br><textarea name=*"address"*><%=request.getAttribute("address") %></textarea><br><br>

City: <select name=*"city"*>

<option value=*"--select city--"*>--select city--</option>

<option value=*"mumbai"*>Mumbai</option>

<option value=*"pune"*>Pune</option>

</select><br><br>

Do u want to subscribe to our Montly Newsletter? <br>

<input type=*"radio"* name=*"newsletter"* value=*"yes"* /> Yes <br>

<input type=*"radio"* name=*"newsletter"* value=*"no"* /> No <br>

<br><br>

<input type=*"submit"* name=*"submit"* value=*"Register"* />

</form>

</body>

</html>

User.java

**package** com.bean;

**import** java.util.HashMap;

**public** **class** User {

**private** String name;

**private** String email;

**private** String password;

**private** String re\_password;

**private** String address;

**private** String contact;

**private** String city;

**private** String newsletter;

**private** String msg="";

**public** String getMsg() {

**return** msg;

}

**public** **void** setMsg(String msg) {

**this**.msg = msg;

}

**private** HashMap<String, String> map = **new** HashMap<String, String>();

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** String getRe\_password() {

**return** re\_password;

}

**public** **void** setRe\_password(String re\_password) {

**this**.re\_password = re\_password;

}

**public** String getAddress() {

**return** address;

}

**public** **void** setAddress(String address) {

**this**.address = address;

}

**public** String getContact() {

**return** contact;

}

**public** **void** setContact(String contact) {

**this**.contact = contact;

}

**public** String getCity() {

**return** city;

}

**public** **void** setCity(String city) {

**this**.city = city;

}

**public** String getNewsletter() {

**return** newsletter;

}

**public** **void** setNewsletter(String newsletter) {

**this**.newsletter = newsletter;

}

**public** HashMap<String, String> getMap() {

**return** map;

}

**public** **void** setMap(HashMap<String, String> map) {

**this**.map = map;

}

**public** **boolean** validate(String username, String password) {

populate();

**for** (String email : map.keySet()) {

**if** (email.equals(username)) { // john@gmail.com

String value = map.get(email); // 1234

**if** (value.equals(password)) {

**return** **true**;

}

**return** **false**;

}

}

**return** **false**;

}

**private** **void** populate() {

map.put("john@gmail.com", "1234");

map.put("geoff@gmail.com", "abcd");

}

**public** **boolean** register(){

**if**(**this**.name.equals("")){

**this**.msg="Please Enter Name<BR>";

}

**if**(**this**.email.equals("")){

**this**.msg=**this**.msg + "Please Enter Email<BR>";

}

**else**

**if**(!**this**.email.matches("\\w+\\@\\w+\\.\\w{2,4}")){

**this**.msg=**this**.msg + "Please Enter valid Email<BR>";

}

**if**(**this**.password.equals("")){

**this**.msg=**this**.msg + "Please Enter Password<BR>";

}

**else**

**if**(!**this**.password.equals(**this**.re\_password)){

**this**.msg = **this**.msg +"Passwords do not Match<BR>";

}

**if**(**this**.address.equals("")){

**this**.msg=**this**.msg + "Please Enter Address<BR>";

}

**if**(**this**.contact.equals("")){

**this**.msg=**this**.msg + "Please Enter Contact<BR>";

}

**if**(**this**.city.equals("--select city--")){

**this**.msg=**this**.msg + "Please select City<BR>";

}

**if**(**this**.newsletter== **null**){

**this**.msg=**this**.msg + "Please select Newsletter<BR>";

}

**if**(**this**.msg.equals("")){

**return** **true**;

}

**return** **false**;

}

}

Controller.java

package com.controller;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.bean.User;

/\*\*

\* Servlet implementation class Controller

\*/

public class Controller extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request,

HttpServletResponse response) throws ServletException, IOException {

String action = request.getParameter("action"); // sign-up

if (action == null) {

request.getRequestDispatcher("index.jsp")

.forward(request, response);

} else {

doPost(request, response);

}

}

protected void doPost(HttpServletRequest request,

HttpServletResponse response) throws ServletException, IOException {

String action = request.getParameter("action"); // sign-up

if (action.equals("login")) {

request.setAttribute("msg", "");

request.setAttribute("username", "");

request.setAttribute("password", "");

request.getRequestDispatcher("login.jsp")

.forward(request, response);

}

if (action.equals("login\_form")) {

String username = request.getParameter("username");

String password = request.getParameter("password");

User user = new User();

boolean status = user.validate(username, password);

if (status == true) {

HttpSession session = request.getSession();

session.setAttribute("username", username);

request.getRequestDispatcher("welcome.jsp").forward(request,

response);

} else {

request.setAttribute("username", username);

request.setAttribute("password", password);

request.setAttribute("msg", "Invalid Username/Password");

request.getRequestDispatcher("login.jsp").forward(request,

response);

}

}

if (action.equals("inbox")) {

request.getRequestDispatcher("inbox.jsp")

.forward(request, response);

}

if (action.equals("sign-up")) {

request.setAttribute("msg", "");

request.setAttribute("name", "");

request.setAttribute("email", "");

request.setAttribute("password", "");

request.setAttribute("re-password", "");

request.setAttribute("address", "");

request.setAttribute("contact", "");

request.getRequestDispatcher("sign-up.jsp").forward(request,

response);

}

if (action.equals("sign-up-form")) {

String name = request.getParameter("name");

String email = request.getParameter("email");

String password = request.getParameter("password");

String re\_password = request.getParameter("re-password");

String address = request.getParameter("address");

String contact = request.getParameter("contact");

String city = request.getParameter("city");

String newsletter = request.getParameter("newsletter");

User user = new User();

user.setName(name);

user.setEmail(email);

user.setPassword(password);

user.setRe\_password(re\_password);

user.setAddress(address);

user.setContact(contact);

user.setCity(city);

user.setNewsletter(newsletter);

boolean status = user.register();

if(status == true){

request.setAttribute("msg", "Registraation Successfull, Please Login ");

request.getRequestDispatcher("login.jsp").forward(request,

response);

}

else{

request.setAttribute("msg", user.getMsg());

request.setAttribute("name", user.getName());

request.setAttribute("email", user.getEmail());

request.setAttribute("password", user.getPassword());

request.setAttribute("re-password", user.getRe\_password());

request.setAttribute("address", user.getAddress());

request.setAttribute("city", user.getCity());

request.setAttribute("contact", user.getContact());

request.setAttribute("newsletter", user.getNewsletter());

request.getRequestDispatcher("sign-up.jsp").forward(request,

response);

}

}

}

}

OUTPUT



