**Name : Tong Wu CWID: A20410395**

Table of Contents

[PART 1: 2](#_Toc441827106)-11

[PART 2: 11-12](#_Toc441827106)

**Part1**

**Code:**

GetFormData.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>

<style type=*"text/css"*>

**body**{

background-image:*url('map.jpg')*;

background-repeat:*no-repeat*;

background-attachment:*fixed*;

background-position:*center*;

}

</style>

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

<title>Login</title>

</head>

<body>

<h2 align=*"center"*>User Login</h2>

<form name=*"Login"* action=*"/Assignment2/UserServlet"* method=*"post"*>

<table align=*"center"*>

<tr>

<td>Username</td>

<td><input type=*"text"* name=*"username"* value=*""*></td>

</tr>

<tr>

<td>SSN</td>

<td><input type=*"text"* name=*"ssn"* value=*""*></td>

</tr>

<tr>

<td>ZipCode</td>

<td><input type=*"text"* name=*"zipcode"* value=*""*></td>

</tr>

<tr>

<td>Email</td>

<td><input type=*"text"* name=*"email"* value=*""*></td>

</tr>

<tr>

<td>Street Address</td>

<td><input type=*"text"* name=*"streetaddress"* value=*""*></td>

</tr>

<tr>

<td>City</td>

<td><input type=*"text"* name=*"city"* value=*""*></td>

</tr>

<tr>

<td>State</td>

<td><input type=*"text"* name=*"state"* value=*""*></td>

</tr>

<tr>

<td colspan=*"2"* align=*"center"*><input type=*"submit"* value=*"Login"*></td>

</tr>

</table>

</form>

</body>

</html>

ValidateFormDate.jsp:

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

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

<%@ page import=*"java.util.regex.\*"* %>

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

<html>

<head>

<style type=*"text/css"*>

**body**{

background-image:*url('map.jpg')*;

background-repeat:*no-repeat*;

background-attachment:*fixed*;

background-position:*center*;

}

</style>

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

<title>Validate</title>

</head>

<body>

<h1>User info</h1>

<jsp:useBean id=*"regUser"* class=*"Bean.User"* scope=*"session"*/>

<%

String reg1 = "[\\d]{3}\\-[\\d]{2}\\-[\\d]{4}";

String reg2 = "[\\d]{5}\\-[\\d]{4}";

String reg3 = "[a-zA-Z\_0-9]+@[a-zA-Z\_0-9]+\\.[a-zA-Z\_0-9]{2,3}";

String reg4 = "[a-zA-Z]{2}";

Pattern p1 = Pattern.compile(reg1);

Matcher m1 = p1.matcher(regUser.getSsn());

Pattern p2 = Pattern.compile(reg2);

Matcher m2 = p2.matcher(regUser.getZipcode());

Pattern p3 = Pattern.compile(reg3);

Matcher m3 = p3.matcher(regUser.getEmail());

Pattern p4 = Pattern.compile(reg4);

Matcher m4 = p4.matcher(regUser.getState());

**if**(regUser.getUsername().length()>=4&&regUser.getUsername().length()<=50&&m1.matches()&&m2.matches()&&regUser.getEmail().length()>=7

&&m3.matches()&&regUser.getStreetaddress().length()>=4&&regUser.getStreetaddress().length()<=50&&regUser.getCity().length()>=3&&

regUser.getCity().length()<=50&&m4.matches()){

request.getRequestDispatcher("/ProcessCustomerDataRequest.jsp").forward(request, response);

}**else**{

response.sendRedirect("LoginFaliure.jsp");

}

%>

</body>

</html>

ProcessCustomerDataRequest.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>

<style type=*"text/css"*>

**body**{

background-image:*url('map.jpg')*;

background-repeat:*no-repeat*;

background-attachment:*fixed*;

background-position:*bottom*;

}

</style>

<jsp:useBean id=*"regUser"* class=*"Bean.User"* scope=*"session"*/>

<script type=*"text/javascript"* src=*"http://maps.google.com/maps/api/js?sensor=false&key=AIzaSyCTozB-5\_cry7INYuEljhQ04LSFv1ibjS8 "*></script>

<script type=*"text/javascript"*>

**var** geocoder = **new** google.maps.Geocoder();

**var** address = "<jsp:getProperty property="streetaddress" name="regUser"/>";

geocoder.geocode( { 'address': address}, **function**(results, status) {

**if** (status == google.maps.GeocoderStatus.OK) {

**var** latitude = results[0].geometry.location.lat();

**var** longitude = results[0].geometry.location.lng();

**var** table = document.getElementById("table1");

**var** tr=document.createElement("tr");

**var** td1 = document.createElement("td");

td1.innerHTML = latitude;

**var** td2 = document.createElement("td");

td2.innerHTML = longitude;

**var** p = document.createElement("td");

p.innerHTML = "Latitude";

**var** p1 = document.createElement("td");

p1.innerHTML = "Longitude";

table.append(tr);

table.append(p);

table.append(td1);

table.append(tr);

table.append(p1);

table.append(td2);

}

});

</script>

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

<title>Process</title>

</head>

<body>

<h1 align=*"center"*>login success</h1>

<h2 align=*"center"*>Thank you for using WebService</h2>

<table id =*"table1"* align=*"center"* width=*"400"* cellpadding=*"10"* cellspacing=*"0"* border=*"1"*>

<tr>

<td>Username</td>

<td><jsp:getProperty property=*"username"* name=*"regUser"*/></td>

</tr>

<tr>

<td>SSN</td>

<td><jsp:getProperty property=*"ssn"* name=*"regUser"*/></td>

</tr>

<tr>

<td>ZipCode</td>

<td><jsp:getProperty property=*"zipcode"* name=*"regUser"*/></td>

</tr>

<tr>

<td>Email</td>

<td><jsp:getProperty property=*"email"* name=*"regUser"*/></td>

</tr>

<tr>

<td>StreetAddress</td>

<td><jsp:getProperty property=*"streetaddress"* name=*"regUser"*/></td>

</tr>

<tr>

<td>City</td>

<td><jsp:getProperty property=*"city"* name=*"regUser"*/></td>

</tr>

<tr>

<td>State</td>

<td><jsp:getProperty property=*"state"* name=*"regUser"*/></td>

</tr>

</table>

</body>

</html>

LoginFaliure.jsp:

<%@page import=*"Bean.User"*%>

<%@page import=*"java.util.regex.\*"*%>

<%@ 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>

<style type=*"text/css"*>

**body**{

background-image:*url('map.jpg')*;

background-repeat:*no-repeat*;

background-attachment:*fixed*;

background-position:*center*;

}

</style>

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

<title>Insert title here</title>

</head>

<body>

<jsp:useBean id=*"regUser"* class=*"Bean.User"* scope=*"session"*/>

<p align=*"center"*>LoginFaliure

<%

String reg1 = "[\\d]{3}\\-[\\d]{2}\\-[\\d]{4}";

String reg2 = "[\\d]{5}\\-[\\d]{4}";

String reg3 = "[a-zA-Z\_0-9]+@[a-zA-Z\_0-9]+\\.[a-zA-Z\_0-9]{2,3}";

String reg4 = "[a-zA-Z]{2}";

Pattern p1 = Pattern.compile(reg1);

Matcher m1 = p1.matcher(regUser.getSsn());

Pattern p2 = Pattern.compile(reg2);

Matcher m2 = p2.matcher(regUser.getZipcode());

Pattern p3 = Pattern.compile(reg3);

Matcher m3 = p3.matcher(regUser.getEmail());

Pattern p4 = Pattern.compile(reg4);

Matcher m4 = p4.matcher(regUser.getState());

**if**(!(regUser.getUsername().length()>=4&&regUser.getUsername().length()<=50)){

out.print("inputing Username is wrong");

}**else** **if**(!m1.matches()){

out.print("inputing SSN is wrong");

}**else** **if**(!m2.matches()){

out.println("inputing ZipCode is wrong");

}**else** **if**(!(regUser.getEmail().length()>=7&&m3.matches())){

out.println("inputing email address is wrong");

}**else** **if**(!(regUser.getStreetaddress().length()>=4&&regUser.getStreetaddress().length()<=50)){

out.println("inputing streetaddress is wrong");

}**else** **if**(regUser.getCity().length()>=3&&regUser.getCity().length()<=50){

out.println("inputing city is wrong");

}**else** **if**(!m4.matches()){

out.println("inputing state is wrong ");

}

%>

<br/>

<a href=*"GetFormData.jsp"*>please login again</a>

</p>

</body>

</html>

UserServlet:

package Servlet;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import Bean.User;

/\*\*

\* Servlet implementation class UserServlet

\*/

@WebServlet("/UserServlet")

public class UserServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public UserServlet() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

doPost(request,response);

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

User u = new User();

String username,ssn,zipcode,email,streetaddress,city,state;

try {

username=request.getParameter("username");

ssn=request.getParameter("ssn");

zipcode=request.getParameter("zipcode");

email=request.getParameter("email");

streetaddress=request.getParameter("streetaddress");

city=request.getParameter("city");

state=request.getParameter("state");

u.setUsername(username);

u.setSsn(ssn);

u.setZipcode(zipcode);

u.setEmail(email);

u.setStreetaddress(streetaddress);

u.setCity(city);

u.setState(state);

request.getSession().setAttribute("regUser",u);

request.getRequestDispatcher("/ValidateFormDate.jsp").forward(request, response);

}catch(Exception e) {

e.printStackTrace();

}

}

}

User Bean:

**package** Bean;

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

**private** String username;

**private** String ssn;

**private** String zipcode;

**private** String email;

**private** String streetaddress;

**private** String city;

**private** String state;

**public** User() {

}

**public** String getUsername() {

**return** username;

}

**public** **void** setUsername(String username) {

**this**.username = username;

}

**public** String getSsn() {

**return** ssn;

}

**public** **void** setSsn(String ssn) {

**this**.ssn = ssn;

}

**public** String getZipcode() {

**return** zipcode;

}

**public** **void** setZipcode(String zipcode) {

**this**.zipcode = zipcode;

}

**public** String getEmail() {

**return** email;

}

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

**this**.email = email;

}

**public** String getStreetaddress() {

**return** streetaddress;

}

**public** **void** setStreetaddress(String streetaddress) {

**this**.streetaddress = streetaddress;

}

**public** String getCity() {

**return** city;

}

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

**this**.city = city;

}

**public** String getState() {

**return** state;

}

**public** **void** setState(String state) {

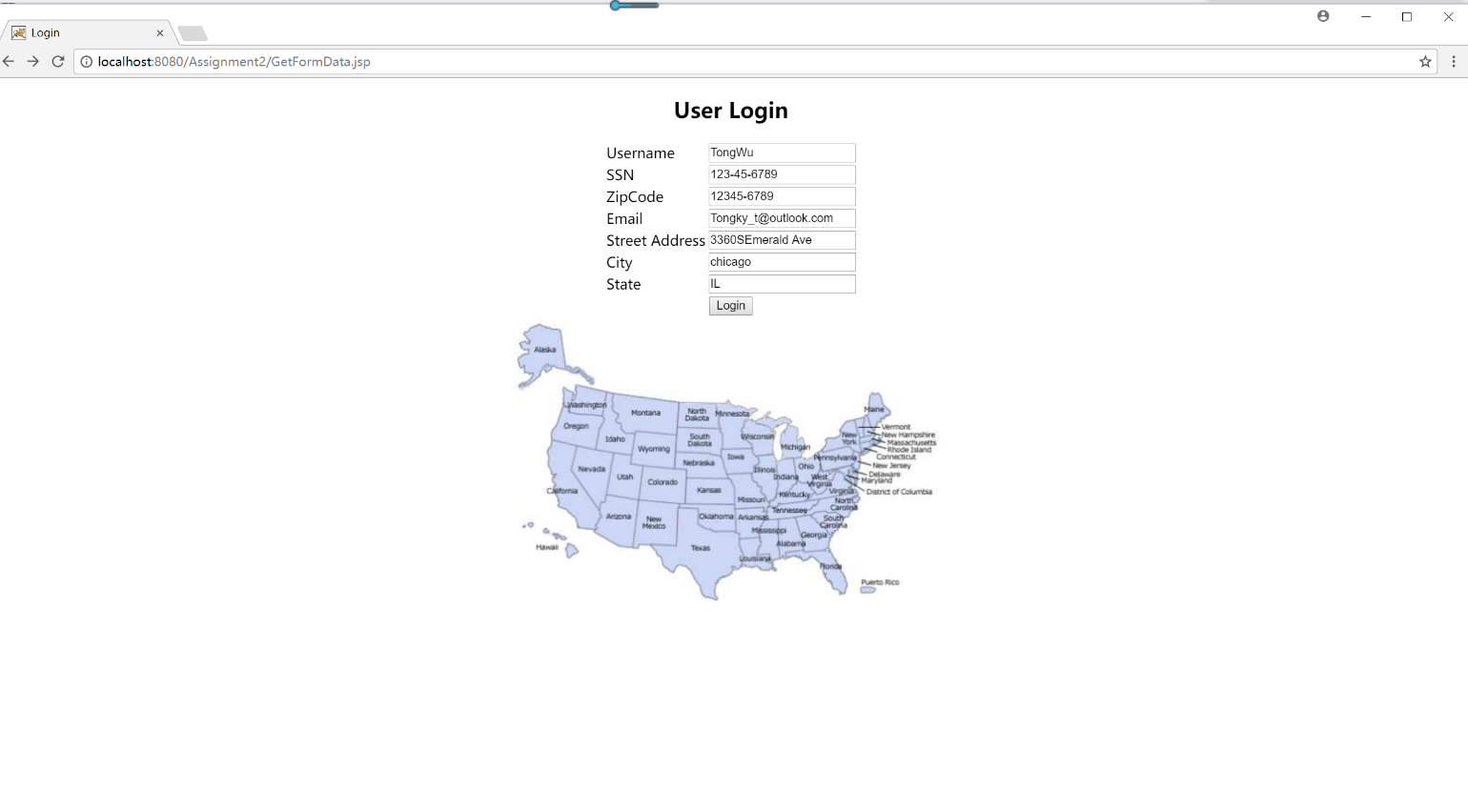
**this**.state = state;

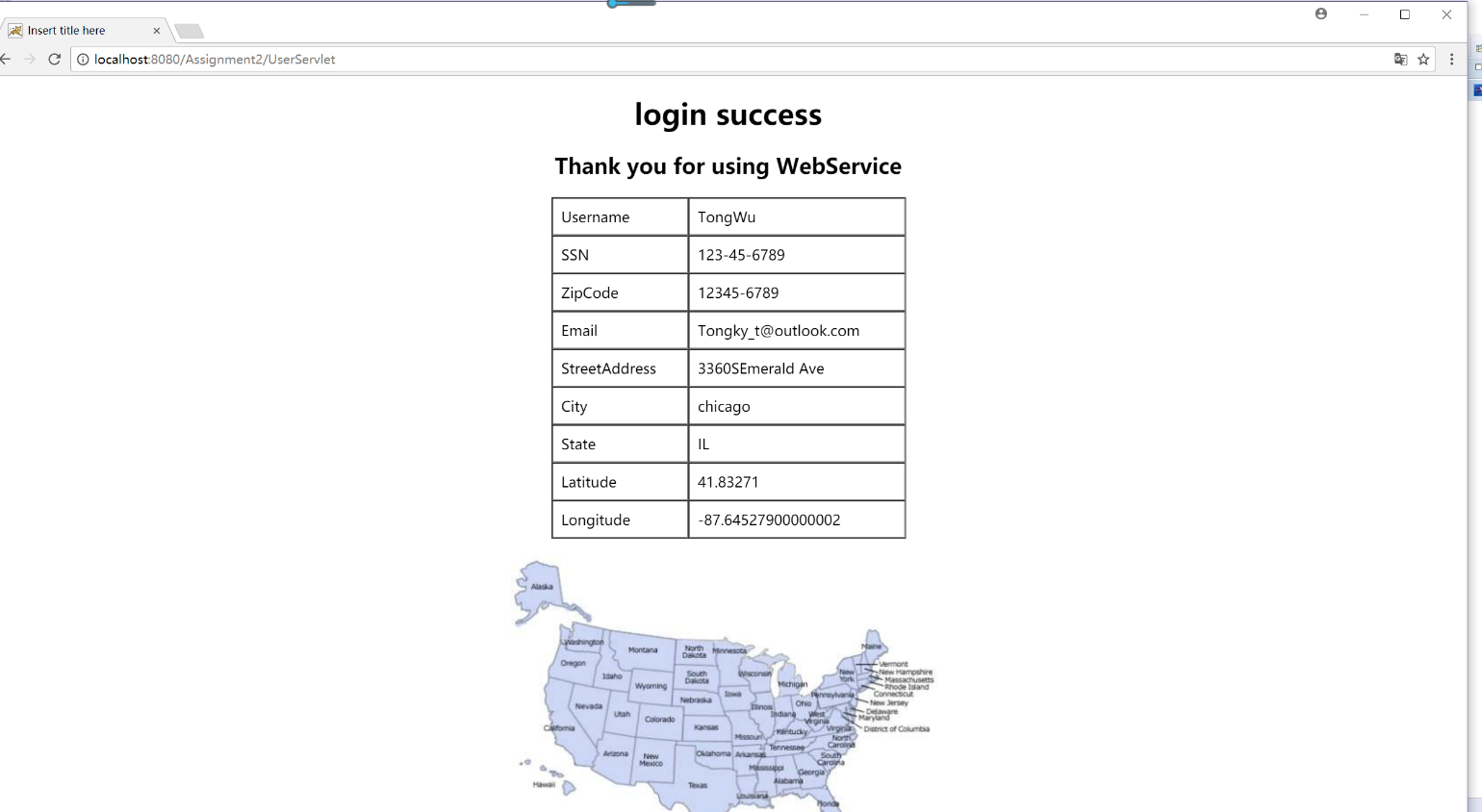
}

}

**PART2:**

**Screenshot:**

****

****