Register page and configure User DAO and DTO

1. Include register page inside the views folder of front end project. Add following code:

<%@taglib prefix=*"form"* uri=*"http://www.springframework.org/tags/form"*%>

<form:form action=*"userData.do"* method=*"POST"* commandName=*"user"* modelAttribute=*"user"*

class=*"form-horizontal"*>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"col-md-3"*></div>

<div class=*"panel col-md-6"*

style="padding-bottom: *10px*; border: *1px solid*; background-color: *#337ab7*; color: *white*; border-color: *#2e6da4*;">

<div class=*"panel-heading"*

style="text-align: *center*; font-weight: *bolder*">

<h2>Sign up now</h2>

<h4>Fill in the form below to get instant access</h4>

<hr />

</div>

<!-- Text input-->

<div class=*" row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userName"* type=*"text"* placeholder=*"User Name"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userName"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-6"*>

<form:input path=*"userPassword"* type=*"password"* placeholder=*"Password"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userPassword"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

<div class=*"col-md-6"* style="padding-left: *2%*">

<form:input path=*"userConfirmPassword"* type=*"Password"*

placeholder=*"Confirm Password"* class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userConfirmPassword"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userFullName"* type=*"text"* placeholder=*"Name"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userFullName"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text Select -->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:select path=*"userRole"* type=*"email"* class=*"form-control"*>

<form:options value=*"user"* selected>User</form:options>

<form:options value=*"supplier"* selected>Supplier</form:options>

</form:select>

<div class=*"has-error"*>

<form:errors path=*"userRole"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userEmail"* type=*"email"* placeholder=*"Email"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userEmail"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userPhone"* type=*"tel"* placeholder=*"Phone Number"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userPhone"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userQuestion"* type=*"text"* placeholder=*"Security Question"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userQuestion"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<!-- Text input-->

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*">

<div class=*"col-md-12"*>

<form:input path=*"userAnswer"* type=*"text"* placeholder=*"Security Answer"*

class=*"form-control input-md"*/>

<div class=*"has-error"*>

<form:errors path=*"userAnswer"* class=*"help-inline"* style=*"color:red"*/>

</div>

</div>

</div>

<div class=*"row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*"">

<div class=*"col-md-12"*></div>

</div>

<div class=*" row form-group"*

style="padding-left: *10%*; padding-right: *10%*; padding-bottom: *2%*"">

<div class=*"col-md-12"*>

<button id=*"RegisterButton"* class=*"btn btn-success btn-block"*

style="text-size: *10px*">Register</button>

</div>

</div>

</form>

</div>

</div>

</div>

</form:form>

1. Create a class inside the backend project named “User” inside the model package and add following code.

**package** com.health.HealthMedicineQuestBackEnd.model;

**import** java.io.Serializable;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Transient;

@Entity

**public** **class** User **implements** Serializable{

@Id

@GeneratedValue(strategy=GenerationType.***IDENTITY***)

**int** userId;

String userName;

String userPassword;

String userRole;

@Transient

String userConfirmPassword;

String userPhoneNumber;

String userEmail;

String userQuestion;

String userAnswer;

**public** User() {

**super**();

// **TODO** Auto-generated constructor stub

}

**public** User(**int** userId, String userName, String userPassword, String userRole, String userConfirmPassword,

String userPhoneNumber, String userEmail, String userQuestion, String userAnswer) {

**super**();

**this**.userId = userId;

**this**.userName = userName;

**this**.userPassword = userPassword;

**this**.userRole = userRole;

**this**.userConfirmPassword = userConfirmPassword;

**this**.userPhoneNumber = userPhoneNumber;

**this**.userEmail = userEmail;

**this**.userQuestion = userQuestion;

**this**.userAnswer = userAnswer;

}

**public** **int** getUserId() {

**return** userId;

}

**public** **void** setUserId(**int** userId) {

**this**.userId = userId;

}

**public** String getUserName() {

**return** userName;

}

**public** **void** setUserName(String userName) {

**this**.userName = userName;

}

**public** String getUserPassword() {

**return** userPassword;

}

**public** **void** setUserPassword(String userPassword) {

**this**.userPassword = userPassword;

}

**public** String getUserRole() {

**return** userRole;

}

**public** **void** setUserRole(String userRole) {

**this**.userRole = userRole;

}

**public** String getUserConfirmPassword() {

**return** userConfirmPassword;

}

**public** **void** setUserConfirmPassword(String userConfirmPassword) {

**this**.userConfirmPassword = userConfirmPassword;

}

**public** String getUserPhoneNumber() {

**return** userPhoneNumber;

}

**public** **void** setUserPhoneNumber(String userPhoneNumber) {

**this**.userPhoneNumber = userPhoneNumber;

}

**public** String getUserEmail() {

**return** userEmail;

}

**public** **void** setUserEmail(String userEmail) {

**this**.userEmail = userEmail;

}

**public** String getUserQuestion() {

**return** userQuestion;

}

**public** **void** setUserQuestion(String userQuestion) {

**this**.userQuestion = userQuestion;

}

**public** String getUserAnswer() {

**return** userAnswer;

}

**public** **void** setUserAnswer(String userAnswer) {

**this**.userAnswer = userAnswer;

}

}

1. Create an interface named “IUserDAO” inside the dao package and add following code:

**package** com.health.HealthMedicineQuestBackEnd.dao;

**import** java.util.List;

**import** com.health.HealthMedicineQuestBackEnd.model.User;

**public** **class** IUserDAO {

**public** List<User> getAllUsers();

**public** User getUser(**int** id);

**public** **boolean** addUser(User u);

**public** **boolean** updateUser(User u);

**public** **boolean** deleteUser(**int** userId);

}

1. Create a class named UserDAOImpl inside daoimpl package and add following code.

**package** com.health.HealthMedicineQuestBackEnd.daoimpl;

**import** java.util.ArrayList;

**import** java.util.List;

**import** com.health.HealthMedicineQuestBackEnd.model.User;

**import** com.health.HealthMedicineQuestBackEnd.dao.IUserDAO;;

**public** **class** UserDAOImpl **implements** IUserDAO{

**public** List<User> getAllUsers(){

**return** **new** ArrayList<User>();

}

**public** User getUser(**int** id){

**return** **new** User();

}

**public** **boolean** addUser(User u){

**return** **false**;

}

**public** **boolean** updateUser(User u){

**return** **false**;

}

**public** **boolean** deleteUser(**int** userId){

**return** **false**;

}

}

1. Open navbar.jsp and modify the productscrud section as follows:

<li class=*"dropdown"*>Admin

<ul>

<li id=*"productscrud"*><a href=*"*${contextRoot}*/productCRUD"*><span class=*"glyphicon glyphicon-list"* style="font-size:*12pt*;"></span> Product Management</a></li>

</ul>

</li>

1. Open page .jsp and add the following code

<!-- Loading only when user clicks register -->

<c:if test=*"*${userClickRegister==**true**}*"*>

<%@include file=*"register.jsp"* %>

</c:if>

1. Open FrontEndPageController abd add the following method:

@RequestMapping(value={"register"})

**public** ModelAndView register(){

ModelAndView model =**new** ModelAndView("page");

model.addObject("title","Register");

model.addObject("userClickRegister","true");

**return** model;

}