Address DAO and DTO

1. Create a class named “Address” inside model package inside Backend project. With the following code:

package com.health.HealthMedicineQuestBackEnd.model;

import java.io.Serializable;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

import javax.validation.constraints.NotNull;

@Entity

public class Address implements Serializable {

public static long getSerialversionuid() {

return serialVersionUID;

}

/\*\*

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\*/

private static final long serialVersionUID = -2513513357940867155L;

@Id

@GeneratedValue(strategy=GenerationType.IDENTITY)

int addAddressId;

@NotNull(message="Please enter Address1")

String addAddress1;

@NotNull(message="Please enter Address2")

String addAddress2;

@NotNull(message="Please enter City")

String addCity;

@NotNull(message="Please enter Zip Code")

String addZip;

@NotNull(message="Please enter State")

String addState;

@NotNull(message="Please enter Country")

String addCountry;

boolean shipping;

int userId;

public int getUserId() {

return userId;

}

public void setUserId(int userId) {

this.userId = userId;

}

public Address(int addAddressId, String addAddress1, String addAddress2, String addCity, String addZip,

String addState, String addCountry, boolean shipping) {

super();

this.addAddressId = addAddressId;

this.addAddress1 = addAddress1;

this.addAddress2 = addAddress2;

this.addCity = addCity;

this.addZip = addZip;

this.addState = addState;

this.addCountry = addCountry;

this.shipping = false;

}

public Address() {

super();

// TODO Auto-generated constructor stub

}

public int getAddAddressId() {

return addAddressId;

}

public void setAddAddressId(int addAddressId) {

this.addAddressId = addAddressId;

}

public String getAddAddress1() {

return addAddress1;

}

public void setAddAddress1(String addAddress1) {

this.addAddress1 = addAddress1;

}

public String getAddAddress2() {

return addAddress2;

}

public void setAddAddress2(String addAddress2) {

this.addAddress2 = addAddress2;

}

public String getAddCity() {

return addCity;

}

public void setAddCity(String addCity) {

this.addCity = addCity;

}

public String getAddZip() {

return addZip;

}

public void setAddZip(String addZip) {

this.addZip = addZip;

}

public String getAddState() {

return addState;

}

public void setAddState(String addState) {

this.addState = addState;

}

public String getAddCountry() {

return addCountry;

}

public void setAddCountry(String addCountry) {

this.addCountry = addCountry;

}

public boolean isShipping() {

return shipping;

}

public void setShipping(boolean shipping) {

this.shipping = shipping;

}

}

1. Create an interface named “IAddressDAO” inside the dos package with the following code:

package com.health.HealthMedicineQuestBackEnd.dao;

import java.util.List;

import com.health.HealthMedicineQuestBackEnd.model.Address;

import com.health.HealthMedicineQuestBackEnd.model.User;

public interface IAddressDAO {

public List<Address> getAllAddress();

public Address getAddress(int id);

public boolean addAddress(Address a);

public boolean updateAddress(Address a);

public boolean deleteAddress(int addressId);

}

1. Create a class named “AddressDAOImpl” inside the daoimpl package with the following code:

package com.health.HealthMedicineQuestBackEnd.daoimpl;

import java.util.List;

import org.hibernate.SessionFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Repository;

import org.springframework.transaction.annotation.Transactional;

import com.health.HealthMedicineQuestBackEnd.dao.IAddressDAO;

import com.health.HealthMedicineQuestBackEnd.model.Address;

@Repository("addressDAO")

@Transactional

public class AddressDAOImpl implements IAddressDAO{

@Autowired

SessionFactory sessionFactory;

public List<Address> getAllAddress(){

return sessionFactory.getCurrentSession().createQuery("from Address", Address.class).getResultList();

}

public Address getAddress(int id){

return sessionFactory.getCurrentSession().get(Address.class,Integer.valueOf(id));

}

public boolean addAddress(Address a){

try {

sessionFactory.getCurrentSession().persist(a);

return true;

} catch (Exception e) {

e.printStackTrace();

return false;

}

}

public boolean updateAddress(Address a){

try {

sessionFactory.getCurrentSession().update(a);

return true;

} catch (Exception e) {

e.printStackTrace();

return false;

}

}

public boolean deleteAddress(int addressId){

try {

sessionFactory.getCurrentSession().delete(getAddress(addressId));

return true;

} catch (Exception e) {

e.printStackTrace();

return false;

}

}

}

1. Create test class named “AddressTestCase” inside the test package with following code:

package com.health.HealthMedicineQuestBackEnd.test;

import static org.junit.Assert.assertEquals;

import org.junit.BeforeClass;

import org.junit.Test;

import org.springframework.context.annotation.AnnotationConfigApplicationContext;

import com.health.HealthMedicineQuestBackEnd.dao.IAddressDAO;

import com.health.HealthMedicineQuestBackEnd.model.Address;

public class AddressTestCase {

private static AnnotationConfigApplicationContext context;

private static IAddressDAO addressDAO;

private Address address;

@BeforeClass

public static void init(){

context=new AnnotationConfigApplicationContext();

context.scan("com.health.HealthMedicineQuestBackEnd");

context.refresh();

addressDAO=(IAddressDAO)context.getBean("addressDAO");

}

// @Test

// public void testAddAddress(){

// address=new Address();

// address.setAddAddress1("8, Balaji Estate");

// address.setAddAddress2("Kalkaji");

// address.setAddCity("Delhi");

// address.setAddCountry("India");

// address.setAddState("Delhi");

// address.setAddZip("110019");

// address.setUserId(2);

// assertEquals("Successfully added an address inside the table!", true, addressDAO.addAddress(address));

// }

// @Test

// public void testGetAddress(){

// address=addressDAO.getAddress(1);

// assertEquals("Successfully added a address inside the table!", "8, Balaji Estate", address.getAddAddress1());

// }

//

//@Test

// public void testUpdateAddress(){

// address=addressDAO.getAddress(1);

//

// address.setAddAddress1("8, Balaji Estate");

// address.setAddAddress2("Guru Ravidas Marg");

// address.setAddCity("Delhi");

// address.setAddCountry("India");

// address.setAddState("Delhi");

// address.setAddZip("110019");

// assertEquals("Successfully updated a address inside the table!", true, addressDAO.updateAddress(address));

//

// }

//

// @Test

// public void testDeleteAddress(){

// assertEquals("Successfully deleted a address from the table!", true, addressDAO.deleteAddress(1));

//

// }

}