package com.ecommerce.controller;

import java.util.List;

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

import org.springframework.stereotype.Controller;

import org.springframework.ui.ModelMap;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RequestMethod;

import com.ecommerce.dao.EProductDAO;

import com.ecommerce.entity.EProductEntity;

@Controller

public class EProductController {

@Autowired

EProductDAO eProductDAO;

@RequestMapping(value = "/productList", method = RequestMethod.GET)

public String listProducts(ModelMap map) {

List<EProductEntity> list = eProductDAO.getAllProducts();

map.addAttribute("productList", list);

return "productList";

}

}

package com.ecommerce.dao;

import java.util.List;

import org.hibernate.SessionFactory;

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

import org.springframework.stereotype.Repository;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import com.ecommerce.entity.EProductEntity;

@Repository

public class EProductDAO {

@Autowired

private SessionFactory sessionFactory;

@SuppressWarnings("unchecked")

public List<EProductEntity> getAllProducts() {

return this.sessionFactory.getCurrentSession().createQuery("from EProducts").list();

}

}

package com.ecommerce.entity;

import java.math.BigDecimal;

import java.util.Date;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name = "eproduct")

public class EProductEntity {

@Id

@GeneratedValue

@Column(name = "ID")

private long ID;

@Column(name = "name")

private String name;

@Column(name = "price")

private BigDecimal price;

@Column(name = "date\_added")

private Date dateAdded;

public long getID() {

return this.ID;

}

public String getName() {

return this.name;

}

public BigDecimal getPrice() {

return this.price;

}

public Date getDateAdded() {

return this.dateAdded;

}

public void setID(long id) {

this.ID = id;

}

public void setName(String name) {

this.name = name;

}

public void setPrice(BigDecimal price) {

this.price = price;

}

public void setDateAdded(Date date) {

this.dateAdded = date;

}

}

Index.jsp:

<a href="/productList">Product List</a>

productList.jsp:

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

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

<%@taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<html>

<head>

<title>Spring With Hibernate</title>

</head> <body>

<h3>Product List </h3>

<c:if test="${!empty productList}">

<table class="data">

<tr>

<th>Name</th>

<th>Price</th>

<th>Date Added</th>

</tr>

<c:forEach items="${productList}" var="product">

<tr>

<td>${product.name} </td>

<td>${product.price}</td>

<td>${product.date\_added}</td>

</tr>

</c:forEach>

</table>

</c:if>

</body>

</html>

Jdbc.properties:

jdbc.driverClassName=com.mysql.jdbc.Driver

jdbc.dialect=org.hibernate.dialect.MySQLDialect

jdbc.databaseurl=jdbc:mysql://127.0.0.1:3306/ecommerce

jdbc.username=root

[jdbc.password=Ramya2001@13](mailto:jdbc.password=Ramya2001@13)

main-servlet.xml:

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

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:aop="http://www.springframework.org/schema/aop"

xmlns:context="http://www.springframework.org/schema/context"

xmlns:jee="http://www.springframework.org/schema/jee"

xmlns:lang="http://www.springframework.org/schema/lang"

xmlns:p="http://www.springframework.org/schema/p"

xmlns:tx="http://www.springframework.org/schema/tx"

xmlns:util="http://www.springframework.org/schema/util"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-2.5.xsd

http://www.springframework.org/schema/aop

http://www.springframework.org/schema/aop/spring-aop-2.5.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context-2.5.xsd

http://www.springframework.org/schema/tx

http://www.springframework.org/schema/tx/spring-tx-2.5.xsd">

<bean id="jspViewResolver"

class="org.springframework.web.servlet.view.InternalResourceViewResolver">

<property name="viewClass"

value="org.springframework.web.servlet.view.JstlView"></property>

<property name="prefix" value="/WEB-INF/view/"></property>

<property name="suffix" value=".jsp"></property>

</bean>

<bean id="messageSource"

class="org.springframework.context.support.ReloadableResourceBundleMessageSource">

<property name="basename" value="classpath:messages"></property>

<property name="defaultEncoding" value="UTF-8"></property>

</bean>

<context:annotation-config />

<context:component-scan

base-package="com.ecommerce.entity" />

<context:component-scan

base-package="com.ecommerce.dao" />

<context:component-scan

base-package="com.ecommerce.controller" />

<bean id="propertyConfigurer"

class="org.springframework.beans.factory.config.PropertyPlaceholderConfigurer"

p:location="/WEB-INF/jdbc.properties"></bean>

<bean id="dataSource"

class="org.apache.commons.dbcp.BasicDataSource" destroy-method="close"

p:driverClassName="${jdbc.driverClassName}"

p:url="${jdbc.databaseurl}" p:username="${jdbc.username}"

p:password="${jdbc.password}"></bean>

<bean id="sessionFactory"

class="org.springframework.orm.hibernate3.LocalSessionFactoryBean">

<property name="dataSource" ref="dataSource"></property>

<property name="confi gLocation">

<value>classpath:hibernate.cfg.xml</value>

</property>

<property name="configurationClass">

<value>org.hibernate.cfg.AnnotationConfiguration </value>

</property>

<property name="hibernateProperties">

<props>

<prop key="hibernate.dialect">${jdbc.dialect}</prop>

<prop key="hibernate.show\_sql">true</prop>

</props>

</property>

</bean>

<bean id="eproductDAO" class="com.ecommerce.dao.EProductDAO"></bean>

<tx:annotation-driven />

<bean id="transactionManager"

class="org.springframework.orm.hibernate3.HibernateTransactionManager">

<property name="sessionFactory" ref="sessionFactory"></property>

</bean>

</beans>

Web.xml:

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

<web-app xmlns="http://java.sun.com/xml/ns/javaee" version="2.5"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd">

<display-name>Archetype Created Web Application</display-name>

<welcome-file-list>

<welcome-file >/WEB-INF/view/index.jsp</welcome-file >

</welcome-file-list>

<context-param>

<param-name>contextConfigLocation</param-name>

<param-value>/WEB-INF/main-servlet.xml</param-value>

</context-param>

<servlet>

<servlet-name>main</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>main</servlet-name>

<url-pattern>/</url-pattern>

</servlet-mapping>

<listener>

<listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>

</listener>

</web-app>

Pom.xml:

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com</groupId>

<artifactId>ecommercehibernate</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>ecommercehibernate Maven Webapp</name>

<url>http://maven.apache.org</url>

<repositories>

<repository>

<id>JBoss repository</id>

<url>http://repository.jboss.org/nexus/content/groups/public/</url>

</repository>

</repositories>

<properties>

<org.springframework.version>6.0.4</org.springframework.version>

<hibernate.version>5.6.15.Final</hibernate.version>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<!-- Hibernate -->

<!-- https://mvnrepository.com/artifact/org.hibernate.orm/hibernate-core -->

<dependency>

<groupId>org.hibernate.orm</groupId>

<artifactId>hibernate-core</artifactId>

<version>6.2.4.Final</version>

</dependency>

<!--<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>${hibernate.version}</version>

</dependency>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-entitymanager</artifactId>

<version>${hibernate.version}</version>

</dependency>-->

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-expression</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-beans</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context-support</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-jdbc</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-orm</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-web</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>${org.springframework.version}</version>

</dependency>

<dependency>

<groupId>javassist</groupId>

<artifactId>javassist</artifactId>

<version>3.12.1.GA</version>

</dependency>

<dependency>

<groupId>taglibs</groupId>

<artifactId>standard</artifactId>

<version>1.1.2</version>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>commons-dbcp</groupId>

<artifactId>commons-dbcp</artifactId>

<version>1.4</version>

</dependency>

<!--

https://mvnrepository.com/artifact/jakarta.servlet.jsp/jakarta.servlet.jsp-api -->

<!--<dependency>

<groupId>jakarta.servlet</groupId>

<artifactId>jakarta.servlet-api</artifactId>

<version>6.0.0</version>

</dependency>-->

<!-- https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api -->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>3.0.1</version>

<scope>provided</scope>

</dependency>

<!--

https://mvnrepository.com/artifact/jakarta.servlet.jsp.jstl/jakarta.servlet.jsp.jstl-api -->

<dependency>

<groupId>jakarta.servlet.jsp.jstl</groupId>

<artifactId>jakarta.servlet.jsp.jstl-api</artifactId>

<version>3.0.0</version>

</dependency>

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.32</version>

</dependency>

<dependency>

<groupId>javax.persistence</groupId>

<artifactId>persistence-api</artifactId>

<version>1.0.2</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<finalName>ecommerce</finalName>

<pluginManagement><!-- lock down plugins versions to avoid using Maven

defaults (may be moved to parent pom) -->

<plugins>

<plugin>

<artifactId>maven-clean-plugin</artifactId>

<version>3.1.0</version>

</plugin>

<!-- see

http://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_war\_packaging -->

<plugin>

<artifactId>maven-resources-plugin</artifactId>

<version>3.0.2</version>

</plugin>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.0</version>

</plugin>

<plugin>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.22.1</version>

</plugin>

<plugin>

<artifactId>maven-war-plugin</artifactId>

<version>3.2.2</version>

</plugin>

<plugin>

<artifactId>maven-install-plugin</artifactId>

<version>2.5.2</version>

</plugin>

<plugin>

<artifactId>maven-deploy-plugin</artifactId>

<version>2.8.2</version>

</plugin>

</plugins>

</pluginManagement>

</build>

</project>

.project:

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

<projectDescription>

<name>ecommercehibernate</name>

<comment></comment>

<projects>

</projects>

<buildSpec>

<buildCommand>

<name>org.eclipse.jdt.core.javabuilder</name>

<arguments>

</arguments>

</buildCommand>

<buildCommand>

<name>org.eclipse.wst.common.project.facet.core.builder</name>

<arguments>

</arguments>

</buildCommand>

<buildCommand>

<name>org.eclipse.wst.validation.validationbuilder</name>

<arguments>

</arguments>

</buildCommand>

<buildCommand>

<name>org.eclipse.m2e.core.maven2Builder</name>

<arguments>

</arguments>

</buildCommand>

</buildSpec>

<natures>

<nature>org.eclipse.jem.workbench.JavaEMFNature</nature>

<nature>org.eclipse.wst.common.modulecore.ModuleCoreNature</nature>

<nature>org.eclipse.jdt.core.javanature</nature>

<nature>org.eclipse.m2e.core.maven2Nature</nature>

<nature>org.eclipse.wst.common.project.facet.core.nature</nature>

<nature>org.eclipse.wst.jsdt.core.jsNature</nature>

</natures>

</projectDescription>

.classpath:

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

<classpath>

<classpathentry kind="src" output="target/classes" path="src/main/java">

<attributes>

<attribute name="optional" value="true"/>

<attribute name="maven.pomderived" value="true"/>

</attributes>

</classpathentry>

<classpathentry excluding="\*\*" kind="src" output="target/classes" path="src/main/resources">

<attributes>

<attribute name="maven.pomderived" value="true"/>

</attributes>

</classpathentry>

<classpathentry kind="src" output="target/test-classes" path="src/test/java">

<attributes>

<attribute name="optional" value="true"/>

<attribute name="maven.pomderived" value="true"/>

<attribute name="test" value="true"/>

</attributes>

</classpathentry>

<classpathentry kind="con" path="org.eclipse.jdt.launching.JRE\_CONTAINER/org.eclipse.jdt.internal.debug.ui.launcher.StandardVMType/JavaSE-1.8">

<attributes>

<attribute name="maven.pomderived" value="true"/>

</attributes>

</classpathentry>

<classpathentry kind="con" path="org.eclipse.m2e.MAVEN2\_CLASSPATH\_CONTAINER">

<attributes>

<attribute name="maven.pomderived" value="true"/>

<attribute name="org.eclipse.jst.component.dependency" value="/WEB-INF/lib"/>

</attributes>

</classpathentry>

<classpathentry kind="src" path="target/generated-sources/annotations">

<attributes>

<attribute name="optional" value="true"/>

<attribute name="maven.pomderived" value="true"/>

<attribute name="ignore\_optional\_problems" value="true"/>

<attribute name="m2e-apt" value="true"/>

</attributes>

</classpathentry>

<classpathentry kind="src" output="target/test-classes" path="target/generated-test-sources/test-annotations">

<attributes>

<attribute name="optional" value="true"/>

<attribute name="maven.pomderived" value="true"/>

<attribute name="ignore\_optional\_problems" value="true"/>

<attribute name="m2e-apt" value="true"/>

<attribute name="test" value="true"/>

</attributes>

</classpathentry>

<classpathentry kind="output" path="target/classes"/>

</classpath>