**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>SpringSetup</groupId>

<artifactId>SpringSetup</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>SpringSetup Maven Webapp</name>

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

<properties>

<org.springframework.version>5.1.6.RELEASE</org.springframework.version>

</properties>

<dependencies>

<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>log4j</groupId>

<artifactId>log4j</artifactId>

<version>1.2.16</version>

<scope>runtime</scope>

</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>

<dependency>

<groupId>mysql</groupId>

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

<version>5.1.9</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>javax.persistence</groupId>

<artifactId>persistence-api</artifactId>

<version>1.0.2</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<finalName>SpringSetup</finalName>

</build>

</project>

**table eproduct**

--

-- Table structure for table `eproduct`

--

**DROP** **TABLE** **IF** **EXISTS** `eproduct`;

/\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

/\*!40101 SET character\_set\_client = utf8 \*/;

**CREATE** **TABLE** `eproduct` (

`ID` bigint(20) NOT NULL AUTO\_INCREMENT,

`name` varchar(100) DEFAULT NULL,

`price` decimal(10,2) DEFAULT NULL,

`date\_added` timestamp NOT NULL DEFAULT **CURRENT\_TIMESTAMP**,

**PRIMARY** **KEY** (`ID`)

) ENGINE=InnoDB AUTO\_INCREMENT=4 DEFAULT CHARSET=latin1;

/\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

--

-- Dumping data for table `eproduct`

--

**LOCK** **TABLES** `eproduct` **WRITE**;

/\*!40000 ALTER TABLE `eproduct` DISABLE KEYS \*/;

**INSERT** **INTO** `eproduct` **VALUES** (1,'HP Laptop ABC',21900.00,'2019-06-04 07:18:57'),(2,'Acer Laptop ABC',23300.00,'2019-06-04 07:19:07'),(3,'Lenovo Laptop ABC',33322.00,'2019-06-04 07:19:19');

/\*!40000 ALTER TABLE `eproduct` ENABLE KEYS \*/;

**UNLOCK** **TABLES**;

**class EProduct**

**package** com.ecommerce.entity;

**import** java.math.BigDecimal;

**import** java.util.Date;

**public** **class** EProductEntity {

**private** **long** ID;

**private** String name;

**private** BigDecimal price;

**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;}

}

**class EProductDAO**

**package** com.ecommerce.dao;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.util.List;

**import** org.springframework.jdbc.core.BeanPropertyRowMapper;

**import** org.springframework.jdbc.core.JdbcTemplate;

**import** org.springframework.jdbc.core.RowMapper;

**import** com.ecommerce.entity.EProduct;

**public** **class** EProductDAO {

JdbcTemplate template;

**public** **void** setTemplate(JdbcTemplate template) {

**this**.template = template;

}

**public** List<EProduct> getProducts(){

**return** template.query("select \* from eproduct",**new** RowMapper<EProduct>(){

**public** EProduct mapRow(ResultSet rs, **int** row) **throws** SQLException {

EProduct e=**new** EProduct();

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setPrice(rs.getBigDecimal(3));

e.setDateAdded(rs.getDate(4));

**return** e;

}

});

}

}

**class MainController**

**package** com.ecommerce.controller;

**import** org.apache.log4j.Logger;

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

**import** org.springframework.stereotype.Controller;

**import** org.springframework.ui.ModelMap;

**import** org.springframework.validation.BindingResult;

**import** org.springframework.web.bind.annotation.ModelAttribute;

**import** org.springframework.web.bind.annotation.PathVariable;

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

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

**import** org.springframework.web.bind.annotation.RequestParam;

**import** org.springframework.context.ApplicationContext;

**import** org.springframework.context.support.ClassPathXmlApplicationContext;

**import** com.ecommerce.entity.EProduct;

**import** com.ecommerce.dao.EProductDAO;

@Controller

**public** **class** MainController {

@Autowired

EProductDAO eproductDAO;

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

**public** String listProducts(ModelMap map)

{

List<EProduct> list= eproductDAO.getProducts();

model.addAttribute("list",list);

**return** "listProducts";

}

}

**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"*>

<context:annotation-config />

<context:component-scan base-package=*"com.ecommerce.controller"* />

<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>

<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=*"ds"* class=*"org.springframework.jdbc.datasource.DriverManagerDataSource"*>

<property name=*"driverClassName"* value=*"com.mysql.jdbc.Driver"*></property>

<property name=*"url"* value=*"jdbc:mysql://localhost:3306/ecommerce"*></property>

<property name=*"username"* value=*"root"*></property>

<property name=*"password"* value=*"master"*></property>

</bean>

<bean id=*"jt"* class=*"org.springframework.jdbc.core.JdbcTemplate"*>

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

</bean>

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

<property name=*"template"* ref=*"jt"*></property>

</bean>

<tx:annotation-driven />

<bean id=*"transactionManager"*

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

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

</bean>

</beans>

**index.jsp**

<html>

<body>

<h2>Spring Application</h2>

<a href=*"listProducts"*>List Products</a>

</body>

</html>

**listProducts.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

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

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

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>List Products</title>

</head>

<body>

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

${product.name}, ${product.price}, ${product.dateAdded}<br>

</c:forEach>

</body>

</html>

**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>

<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>

<context-param>

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

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

</context-param>

<listener>

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

</listener>

</web-app>