

```
<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 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;

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;

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;}
    }

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;
    }

    });
}
}

```

```

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";
}
}

```

```

<?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>
```

```
<html>
```

```
<body>
```

```
<h2>Spring Application</h2>
```

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

```
</body>
```

```
</html>
```

```
<%@ 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>
```

```
<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>