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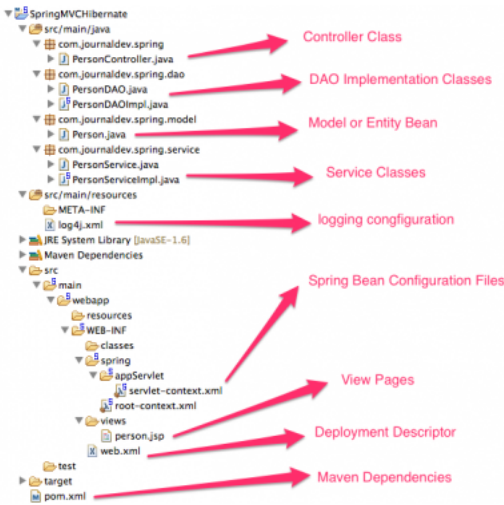
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# Spring MVC Hibernate MySQL Integration CRUD Example Tutorial

APRIL 2, 2018 BY PANKAJ — 346 COMMENTS

We learned how to integrate **Spring and Hibernate** in our last tutorial. Today we will move forward and integrate **Spring MVC and Hibernate** frameworks in a web application CRUD example.

Our final project structure looks like below image, we will look into each of the components one by one.



Note that I am using Spring 4.0.3.Release and Hibernate 4.3.5.Final versions for our example, same program is also compatible for Spring 4 and Hibernate 3, however you need to make small changes in spring bean configuration file discussed in the last tutorial.

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## Maven Dependencies

Let's look at all the maven dependencies are required for hibernate and spring mvc framework integration.

```
<?xml version="1.0" encoding="UTF-8"?>
<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.journaldev.spring</groupId>
  <artifactId>SpringMVCHibernate</artifactId>
  <name>SpringMVCHibernate</name>
  <packaging>war</packaging>
  <version>1.0.0-BUILD-SNAPSHOT</version>
  <properties>
    <java-version>1.6</java-version>
    <org.springframework-version>4.0.3.RELEASE</org.springframework-
version>
    <org.aspectj-version>1.7.4</org.aspectj-version>
    <org.slf4j-version>1.7.5</org.slf4j-version>
    <hibernate.version>4.3.5.Final</hibernate.version>
  </properties>
  <dependencies>
    <!-- Spring -->
    <dependency>
```

Some of the dependencies above are included by STS (Spring Tool Suite) when I create Spring MVC project. Important dependencies above are **spring-context**, **spring-webmvc**, **spring-tx**, **hibernate-core**, **hibernate-entitymanager** and **spring-orm**. I am using Apache Commons DBCP for connection pooling, but in real life situations, most probably you have connection pooling done by the container and all we need is to provide the JNDI reference details to use.

**NOTE:** I noticed that some of the readers are getting database connection issues. Notice that in my pom.xml, there is no database driver. That works for me because I have MySQL driver in tomcat lib directory and some DataSource connections configured with it. For any database connection related issues, either put the database driver in container lib or include that in pom.xml dependencies.

## Deployment Descriptor

We need to plugin **spring framework** in our web application, that is done by configuring Spring framework DispatcherServlet as front controller. Our web.xml file looks like below.

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.5" xmlns="http://java.sun.com/xml/ns/javaee"
  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">

  <!-- The definition of the Root Spring Container shared by all Servlets and
```

```

Filters -->
    <context-param>
        <param-name>contextConfigLocation</param-name>
        <param-value>/WEB-INF/spring/root-context.xml</param-value>
    </context-param>

    <!-- Creates the Spring Container shared by all Servlets and Filters -->
    <listener>
        <listener-
class>org.springframework.web.context.ContextLoaderListener</listener-class>
    </listener>

    <!-- Processes application requests -->
    <servlet>

```

Most of the part is boiler plate code, most important part is the spring context file location where we will configure our spring beans and services. If you want, you can change them according to your project requirements.

## Hibernate Entity Bean

We are using JPA annotations in our entity bean class, however we can also have a simple java bean and mapping details in the xml file. In that case, we need to provide mapping file details while configuring **Hibernate SessionFactory** in spring bean configurations.

```

package com.journaldev.spring.model;

import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;

/**
 * Entity bean with JPA annotations
 * Hibernate provides JPA implementation
 * @author pankaj
 *
 */
@Entity
@Table(name="PERSON")
public class Person {

    @Id
    @Column(name="id")
    @GeneratedValue(strategy=GenerationType.IDENTITY)

```

Our entity bean maps to PERSON table in MySQL database, notice that I have not annotated "name" and "country" fields with @Column annotation because they are of same name. Below SQL script shows the table details.

```
CREATE TABLE `Person` (
  `id` int(11) unsigned NOT NULL AUTO_INCREMENT,
  `name` varchar(20) NOT NULL DEFAULT '',
  `country` varchar(20) DEFAULT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8;
```

## Hibernate DAO Implementation

We will create PersonDAO interface to declare the methods that we will use in our project. Next, we will provide hibernate specific implementation for it.

```
package com.journaldev.spring.dao;

import java.util.List;

import com.journaldev.spring.model.Person;

public interface PersonDAO {

    public void addPerson(Person p);
    public void updatePerson(Person p);
    public List<Person> listPersons();
    public Person getPersonById(int id);
    public void removePerson(int id);
}
```

Hibernate specific DAO implementation looks like below.

```
package com.journaldev.spring.dao;

import java.util.List;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import org.springframework.stereotype.Repository;

import com.journaldev.spring.model.Person;

@Repository
public class PersonDAOImpl implements PersonDAO {

    private static final Logger logger =
        LoggerFactory.getLogger(PersonDAOImpl.class);

    private SessionFactory sessionFactory;

    public void setSessionFactory(SessionFactory sf){
        this.sessionFactory = sf;
    }
}
```

Notice that I am not using Hibernate Transaction, that is because it will be taken care by Spring framework.

## Spring Service Classes

Here are our service classes that are using Hibernate DAO classes to work with Person objects.

```
package com.journaldev.spring.service;

import java.util.List;

import com.journaldev.spring.model.Person;

public interface PersonService {

    public void addPerson(Person p);
    public void updatePerson(Person p);
    public List<Person> listPersons();
    public Person getPersonById(int id);
    public void removePerson(int id);

}

package com.journaldev.spring.service;

import java.util.List;

import org.springframework.stereotype.Service;
import org.springframework.transaction.annotation.Transactional;

import com.journaldev.spring.dao.PersonDAO;
import com.journaldev.spring.model.Person;

@Service
public class PersonServiceImpl implements PersonService {

    private PersonDAO personDAO;

    public void setPersonDAO(PersonDAO personDAO) {
        this.personDAO = personDAO;
    }

    @Override
    @Transactional
    public void addPerson(Person p) {
```

Notice that spring declarative transaction management is applied by using `@Transactional` annotation.

## Spring Controller Class

Our DAO and Service classes are ready, it's time to write our controller class that will take care of client requests and use service classes to perform database specific operations and then return the view pages.

```
package com.journaldev.spring;

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

```
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
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 com.journaldev.spring.model.Person;
import com.journaldev.spring.service.PersonService;

@Controller
public class PersonController {

    private PersonService personService;

    @Autowired(required=true)
    @Qualifier(value="personService")
    public void setPersonService(PersonService ps){
```

Notice that I am using `@Controller` annotation, so that Spring framework will treat it as a Controller class to handle client requests. Also I am using `@Autowired` and `@Qualifier` annotations for injecting `PersonService`, we could have done it in the spring context xml file too.

Recommended Read: [Spring Bean Autowiring](#)

## Spring Bean Configuration

Our services are ready, all we need is to wire them through spring bean configurations. Our root-context.xml file is empty, so we will look only into servlet-context.xml file.

```
<?xml version="1.0" encoding="UTF-8"?>
<beans:beans xmlns="http://www.springframework.org/schema/mvc"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:beans="http://www.springframework.org/schema/beans"
    xmlns:context="http://www.springframework.org/schema/context"
    xmlns:tx="http://www.springframework.org/schema/tx"
    xsi:schemaLocation="http://www.springframework.org/schema/mvc
        http://www.springframework.org/schema/mvc/spring-mvc.xsd
        http://www.springframework.org/schema/beans
        http://www.springframework.org/schema/beans/spring-beans.xsd
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context.xsd
        http://www.springframework.org/schema/tx
        http://www.springframework.org/schema/tx/spring-tx-4.0.xsd">

    <!-- DispatcherServlet Context: defines this servlet's request-processing
        infrastructure -->

    <!-- Enables the Spring MVC @Controller programming model -->
    <annotation-driven />

    <!-- Handles HTTP GET requests for /resources/** by efficiently serving
```

`dataSource` bean is defined for `org.apache.commons.dbcp.BasicDataSource` class for basic connection pooling.

`org.springframework.orm.hibernate4.LocalSessionFactoryBean` bean is used for Hibernate 4 `SessionFactory`. For Hibernate 3, you will find similar classes as `org.springframework.orm.hibernate3.LocalSessionFactoryBean` and `org.springframework.orm.hibernate3.AnnotationSessionFactoryBean`.

One important point is that when we are depending on Spring framework for Hibernate Session management, we should not define `hibernate.current_session_context_class` property, otherwise you will get a lot of session transaction related issues.

**personDAO** and **personService** beans are self understood.

**transactionManager** bean definition for

`org.springframework.orm.hibernate4.HibernateTransactionManager` is required for Spring ORM to support hibernate session transaction management. For Hibernate 3, you will find similar class as `org.springframework.orm.hibernate3.HibernateTransactionManager`. Spring uses AOP for transaction management, you can now relate it with `@Transactional` annotation.

**Recommended Read:** [Spring AOP](#) and [Spring Transaction Management](#)

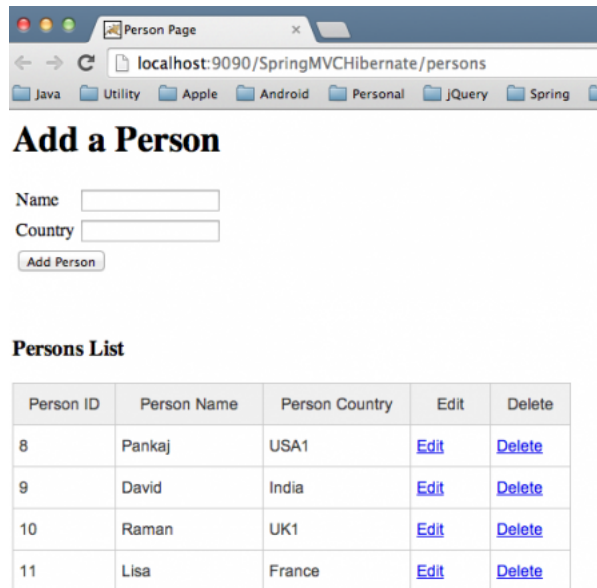
## View Page

Our last part of application is the view page, notice the attributes added to Model in Controller handler methods, we will use them to create our view page. We will also use [JSTL tags](#), spring core and spring form tags.

```
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<%@ taglib uri="http://www.springframework.org/tags" prefix="spring" %>
<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form" %>
<%@ page session="false" %>
<html>
<head>
    <title>Person Page</title>
    <style type="text/css">
        .tg {border-collapse:collapse;border-spacing:0;border-color:#ccc;}
        .tg td{font-family:Arial, sans-serif;font-size:14px;padding:10px
5px;border-style:solid;border-width:1px;overflow:hidden;word-break:normal;border-
color:#ccc;color:#333;background-color:#fff;}
        .tg th{font-family:Arial, sans-serif;font-size:14px;font-
weight:normal;padding:10px 5px;border-style:solid;border-
width:1px;overflow:hidden;word-break:normal;border-color:#ccc;color:#333;background-
color:#f0f0f0;}
        .tg .tg-4eph{background-color:#f9f9f9}
    </style>
</head>
<body>
<h1>
    Add a Person
```

## Spring MVC Hibernate Application Testing

Just build and deploy the project into any servlet container of your choice, for example Tomcat. Below screenshots shows the view pages for our application.



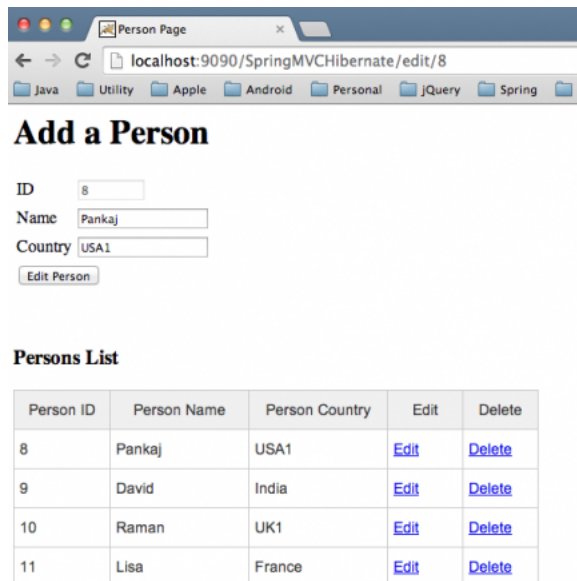
**Add a Person**

Name

Country

**Persons List**

Person ID	Person Name	Person Country	Edit	Delete
8	Pankaj	USA1	<a href="#">Edit</a>	<a href="#">Delete</a>
9	David	India	<a href="#">Edit</a>	<a href="#">Delete</a>
10	Raman	UK1	<a href="#">Edit</a>	<a href="#">Delete</a>
11	Lisa	France	<a href="#">Edit</a>	<a href="#">Delete</a>



**Add a Person**

ID

Name

Country

**Persons List**

Person ID	Person Name	Person Country	Edit	Delete
8	Pankaj	USA1	<a href="#">Edit</a>	<a href="#">Delete</a>
9	David	India	<a href="#">Edit</a>	<a href="#">Delete</a>
10	Raman	UK1	<a href="#">Edit</a>	<a href="#">Delete</a>
11	Lisa	France	<a href="#">Edit</a>	<a href="#">Delete</a>

You will also find similar logs in the server log file.

```
Hibernate: insert into PERSON (country, name) values (?, ?)
INFO : com.journaldev.spring.dao.PersonDAOImpl - Person saved successfully, Person
Details=id=15, name=Pankaj, country=USA
Hibernate: select person0_.id as id1_0_, person0_.country as country2_0_,
person0_.name as name3_0_ from PERSON person0_
INFO : com.journaldev.spring.dao.PersonDAOImpl - Person List::id=10, name=Raman,
country=UK2
INFO : com.journaldev.spring.dao.PersonDAOImpl - Person List::id=11, name=Lisa,
country=France
INFO : com.journaldev.spring.dao.PersonDAOImpl - Person List::id=15, name=Pankaj,
country=USA
```

## Summary

This tutorial was aimed to provide sufficient details for you to getting started with Spring MVC and Hibernate integration, I hope you will find it useful. You can download final project from below link and play around with it.



[Download Spring MVC Hibernate Integration Project](#)**« PREVIOUS**

Spring Hibernate Integration Example Tutorial  
(Spring 4 + Hibernate 3 and Hibernate 4)

**NEXT »**

Struts2 Hibernate Integration Example Tutorial

**About Pankaj**

If you have come this far, it means that you liked what you are reading. Why not reach little more and connect with me directly on [Google Plus](#), [Facebook](#) or [Twitter](#). I would love to hear your thoughts and opinions on my articles directly.

Recently I started creating video tutorials too, so do check out my videos on [Youtube](#).

FILED UNDER: [HIBERNATE](#), [SPRING](#)

**Comments****ram says**

JULY 23, 2018 AT 8:06 AM

Hi Pankaj,

Thanks for your tutorial, Though i am able to deploy your code i am facing an issue with the jsps. Whenever i hit the persons.jsp page it is not showing any textfields. It is simply displaying two buttons with a table. Is it something related to jar spring form tag and its versions? Or should i need to add any more jar dependency. Any quick help is highly appreciated.

[Reply](#)

**Pankaj says**

JULY 23, 2018 AT 10:54 AM

Can you check if there are any warnings related to TLD files?

[Reply](#)

**ram says**

JULY 23, 2018 AT 11:17 AM

No pankaj there are no warnings.....Everything looks clean

[Reply](#)

**ram says**

JULY 23, 2018 AT 7:59 AM

Hi Pankaj,

I am facing an issue with the jsp.I am able to successfully deploy the code you have provided but when ever i hit the "https://localhost:8010/SpringMVCHibernate/persons",Though the JSP page is displayed its test fields re not visible .I am getting two buttons with a table.Is it related to jars in the pom?Plesae suggest me a turnaround.

[Reply](#)

**Vivek says**

JUNE 11, 2018 AT 4:26 AM

If any one get 404 do this following changes

1.make this change in PersonController.java

@RequestMapping(value = {"/","/persons"}, method = RequestMethod.GET)

2.add mysql connector jar in pom.xml as below

mysql

mysql-connector-java

6.0.6

3.now run as maven install and then Run as Run on Server

[Reply](#)

**S GINIGE says**

MAY 27, 2018 AT 3:29 AM

Please any one help me for this..

org.apache.jasper.JasperException: An exception occurred processing [WEB-INF/view/customer-form.jsp] at line [28]

25: Id:

26:

27:

28:

29:

30:

31:

Stacktrace:

org.apache.jasper.servlet.JspServletWrapper.handleJspException(JspServletWrapper.java:593)

org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:477)

org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:386)

```

org.apache.jasper.servlet.JspServlet.service(JspServlet.java:330)
javax.servlet.http.HttpServlet.service(HttpServlet.java:741)
org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
org.springframework.web.servlet.view.InternalResourceView.renderMergedOutputModel(InternalResourceView.java:170)
org.springframework.web.servlet.view.AbstractView.render(AbstractView.java:314)
org.springframework.web.servlet.DispatcherServlet.render(DispatcherServlet.java:1325)
org.springframework.web.servlet.DispatcherServlet.processDispatchResult(DispatcherServlet.java:1069)
org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1008)
org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:925)
org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:978)
org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:870)
javax.servlet.http.HttpServlet.service(HttpServlet.java:634)
org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:855)
javax.servlet.http.HttpServlet.service(HttpServlet.java:741)
org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
Root Cause
java.lang.IllegalStateException: Neither BindingResult nor plain target object for bean name 'command'
available as request attribute
org.springframework.web.servlet.support.BindStatus.(BindStatus.java:153)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getBindStatus(AbstractDataBoundFormElementTag.java:173)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getPropertyPath(AbstractDataBoundFormElementTag.java:195)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getName(AbstractDataBoundFormElementTag.java:159)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag autogeneratedId(AbstractDataBoundFormElementTag.java:144)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.resolveId(AbstractDataBoundFormElementTag.java:134)
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.writeDefaultAttributes(AbstractDataBoundFormElementTag.java:442)
org.springframework.web.servlet.tags.form.AbstractHtmlElementTag.writeDefaultAttributes(AbstractHtmlElementTag.java:422)
org.springframework.web.servlet.tags.form.InputTag.writeTagContent(InputTag.java:345)
org.springframework.web.servlet.tags.form.AbstractFormTag.doStartTagInternal(AbstractFormTag.java:86)
org.springframework.web.servlet.tags.RequestContextAwareTag.doStartTag(RequestContextAwareTag.java:83)
org.apache.jsp.WEB_002dINF.view.customer_002dform_jsp._jspx_meth_form_005finput_005f0(customer_002dform_jsp.java:286)
org.apache.jsp.WEB_002dINF.view.customer_002dform_jsp._jspx_meth_form_005fform_005f0(customer_002dform_jsp.java:203)
org.apache.jsp.WEB_002dINF.view.customer_002dform_jsp._jspService(customer_002dform_jsp.java:147)
org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)
javax.servlet.http.HttpServlet.service(HttpServlet.java:741)
org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:444)
org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:386)
org.apache.jasper.servlet.JspServlet.service(JspServlet.java:330)
javax.servlet.http.HttpServlet.service(HttpServlet.java:741)
org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:53)
org.springframework.web.servlet.view.InternalResourceView.renderMergedOutputModel(InternalResourceView.java:170)
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org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:870)
javax.servlet.http.HttpServlet.service(HttpServlet.java:634)
org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:855)
javax.servlet.http.HttpServlet.service(HttpServlet.java:741)

```

[Reply](#)

**Prakash Murugan says**

MAY 21, 2018 AT 5:09 AM

```
public String listPersons(Model model)
```

In this line, Model refers what? and From it get value for model?

[Reply](#)

**manoranjana says**

MARCH 29, 2018 AT 3:44 AM

type Exception report

message The absolute uri: `http://www.springframework.org/tags` cannot be resolved in either web.xml or the jar files deployed with this application  
description

The server encountered an internal error that prevented it from fulfilling this request.

exception

`org.apache.jasper.JasperException: The absolute uri:`

`http://www.springframework.org/tags` cannot be resolved in either web.xml or the jar files deployed with this application

```
org.apache.jasper.compiler.DefaultErrorHandler.jspError(DefaultErrorHandler.java:55)  
    org.apache.jasper.compiler.ErrorDispatcher.dispatch(ErrorDispatcher.java:277)  
    org.apache.jasper.compiler.ErrorDispatcher.jspError(ErrorDispatcher.java:75)
```

```
org.apache.jasper.compiler.TagLibraryInfoImpl.generateTldResourcePath(TagLibraryInfoImpl.java:250)
```

```
org.apache.jasper.compiler.TagLibraryInfoImpl.(TagLibraryInfoImpl.java:125)  
org.apache.jasper.compiler.Parser.parseTaglibDirective(Parser.java:421)  
org.apache.jasper.compiler.Parser.parseDirective(Parser.java:479)  
org.apache.jasper.compiler.Parser.parseElements(Parser.java:1435)  
org.apache.jasper.compiler.Parser.parse(Parser.java:139)  
org.apache.jasper.compiler.ParserController.doParse(ParserController.java:227)  
org.apache.jasper.compiler.ParserController.parse(ParserController.java:100)  
org.apache.jasper.compiler.Compiler.generateJava(Compiler.java:201)  
org.apache.jasper.compiler.Compiler.compile(Compiler.java:358)  
org.apache.jasper.compiler.Compiler.compile(Compiler.java:338)  
org.apache.jasper.compiler.Compiler.compile(Compiler.java:325)
```

[Reply](#)

**Abhishek Mishra says**

MARCH 24, 2018 AT 9:47 AM

Thank you so much its working fine ☺

[Reply](#)

**demo says**

MARCH 21, 2018 AT 8:27 AM

You need to add mysql connector from mvn repository in POM.xml and also add the same in class path for apache run time without which you might face errors.

[Reply](#)

**naveen says**

MARCH 20, 2018 AT 7:56 AM

Hi pankaj,

can you please help us in writing JUNIT for validating the DAO in this example please

[Reply](#)**Abhishek Mishra says**

MARCH 18, 2018 AT 5:49 AM

<http://localhost:8080/SpringMVCHibernate/persons>

gives error 404 not found.

[Reply](#)**Pankaj says**

MARCH 18, 2018 AT 10:52 AM

What is the WAR file name you deployed, that will become the servlet context of the app.

[Reply](#)**Krishna says**

FEBRUARY 8, 2018 AT 8:46 AM

Two steps to fix this-

1. Rename mapping for default first page, i.e. rename "/persons", by "/",
2. Right click on project and Run As -> Maven Install.

Now Run project, Hope this help !!!!

[Reply](#)**mhmdsw says**

JANUARY 19, 2018 AT 3:06 AM

hello , thanks to our tutorial , but my question is i want to integrate a basic authentication to this example with mysql database using person table with field user and password , my problem is i want integrate a ValidUser methode to te DAOimpl in order to count a user with hibernate session and return a result to the controller . if a result of ValidUser is != 0 the login is success . my very problem is hibernate count . please help me . thanks

[Reply](#)**castulo says**

NOVEMBER 21, 2017 AT 2:10 AM

Awesome Tutorial so I wonder How I could download the example, thanks.

[Reply](#)**Pranay says**

SEPTEMBER 18, 2017 AT 3:39 PM

Bro...you really saved my ass!

Such a nice tutorial and awesome explanation !!

I really appreciate what you're doing...

Keep up the good work!

Thank you once again for your wonderful tutorial ☐

[Reply](#)

**Roberto says**

SEPTEMBER 13, 2017 AT 6:59 AM

Hi Pankaj,

According to this post, it's not recommended to use sessionFactory.getCurrentSession in a multithread environment. (i.e in a webapp).

Why do you use getCurrentSession method in PersonDAOImpl class?

Thank you

[Reply](#)

**nimesh pahadi says**

SEPTEMBER 9, 2017 AT 10:41 AM

thanks a lot Pankaj !!! very well explained, really helpful

[Reply](#)

**suman says**

AUGUST 15, 2017 AT 10:49 AM

I am getting the classic Cannot create JDBC driver of class " for connect URL 'null' when trying to get a connection from the jndi datasource. I am using Tomcat 8.5 and trying to connect to Microsoft SQL Server database.

[Reply](#)

**Pavan says**

JULY 15, 2017 AT 6:54 AM

HTTP ERROR: 404

Problem accessing /. Reason:

NOT\_FOUND

Powered by Jetty://

[Reply](#)

**Neha says**

JULY 3, 2017 AT 8:50 AM

Getting below error while trying to load person.jsp. Please help ☐

HTTP Status 404 –

type Status report

message

description The requested resource is not available.

Apache Tomcat/7.0.47

[Reply](#)**Dattatray Dethe says**

JULY 2, 2017 AT 2:02 AM

Hi Pankaj,

Thats working fine .

Thanks.

Dattatray.

[Reply](#)**Masthan says**

JUNE 6, 2017 AT 8:51 PM

it's working Fine...Thanks

[Reply](#)**Rony says**

JUNE 3, 2017 AT 5:38 AM

Class dependency error 'org/springframework/core/Ordered' occurred on aspect definition  
'Aspect definition [\SpringMVCHibernate\src\main\webapp\WEB-INF\spring\appServlet  
\servlet-context.xml:63] advise type [after] advise  
[org.springframework.transaction.interceptor.TransactionInterceptor.invoke]' while  
processing bean

'org.springframework.web.servlet.view.InternalResourceViewResolver#SpringMVCHibernate#src/main/webapp/WEB-INF/spring/appServlet/servlet-context.xml#23 (23)  
[org.springframework.web.servlet.view.InternalResourceViewResolver]'. Check if builder  
classpath is complete

I am getting above error in the dispatcher servlet. Please help me sir.

[Reply](#)**Junior says**

MAY 23, 2017 AT 6:49 AM

Excelente ejemplo, te felicito y espero sigas ayudando con estos extraordinarios ejemplos, muchas gracias

[Reply](#)**Rajesh says**

MAY 2, 2017 AT 4:31 AM

HTTP Status 500 - Request processing failed; nested exception is  
org.hibernate.exception.SQLGrammarException: could not extract ResultSet

org.hibernate.exception.SQLGrammarException: could not extract ResultSet

```
org.hibernate.exception.internal.SQLStateConversionDelegate.convert(SQLStateConversionDelegate.java:123)

org.hibernate.exception.internal.StandardSQLExceptionConverter.convert(StandardSQLExceptionConverter.java:49)

org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:126)

org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:112)

org.hibernate.engine.jdbc.internal.ResultSetReturnImpl.extract(ResultSetReturnImpl.java:91)

    org.hibernate.loader.Loader.getResultSet(Loader.java:2066)
    org.hibernate.loader.Loader.executeQueryStatement(Loader.java:1863)
    org.hibernate.loader.Loader.executeQueryStatement(Loader.java:1839)
    org.hibernate.loader.Loader.doQuery(Loader.java:910)

org.hibernate.loader.Loader.doQueryAndInitializeNonLazyCollections(Loader.java:355)
    org.hibernate.loader.Loader.doList(Loader.java:2554)
    org.hibernate.loader.Loader.doList(Loader.java:2540)
    org.hibernate.loader.Loader.listIgnoreQueryCache(Loader.java:2370)
    org.hibernate.loader.Loader.list(Loader.java:2365)
    org.hibernate.loader.hql.QueryLoader.list(QueryLoader.java:497)

org.hibernate.hql.internal.ast.QueryTranslatorImpl.list(QueryTranslatorImpl.java:387)
```

[Reply](#)**Anupkumar Mahamalla says**

APRIL 11, 2017 AT 11:24 PM

Hi pakaj,

Just want to thanks for this nice article.

I was looking for this type of perfect Example of Spring MVC-Hibernate-Mysql Example .

Many peoples are facing the 404 issues, because there is no index page.

I request to you to add index page, so that people can easily run this example

[Reply](#)**Ganesh says**

APRIL 4, 2017 AT 5:21 AM

it's working Fine...Thanks

[Reply](#)**Avinash says**

APRIL 2, 2017 AT 11:03 PM

Hi

I don't know why i'm getting this Warn [error]

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet'

and return 404 error



[Reply](#)**Anupkumar Mahamalla says**

APRIL 11, 2017 AT 11:25 PM

try with url: `http://localhost:8080/SpringMVCHibernate/persons`

[Reply](#)**a says**

APRIL 28, 2017 AT 4:50 AM

No mapping found for HTTP request with URI `/SpringMVCHibernate/persons` in  
DispatcherServlet with name 'servlet'  
error coming

[Reply](#)**Amit kumar says**

MAY 5, 2017 AT 8:30 AM

Just hit below url:

`http://localhost:8080/SpringMVCHibernate/persons`

if you are still getting error just add the below dependency in pom.xml.

mysql

mysql-connector-java

5.1.31

[Reply](#)**Ankit says**

MARCH 30, 2017 AT 12:01 AM

nice article

I have a question,you have `@transactional` attribute without `readonly = false`.still it is saving/updating records.how?

[Reply](#)**Mike says**

MARCH 20, 2017 AT 5:34 PM

It's works for me. Nice work

[Reply](#)**virendra says**

MARCH 16, 2017 AT 11:49 PM

very nice tutorial finally it works for me with little tweak

[Reply](#)

**Uttam says**

MARCH 6, 2017 AT 5:21 AM

Nice Demo for beginners. This works perfect. what is the use of root-context.xml??? can we run this without root-context.xml???

plz reply as soon as possible.....

Thank you..

[Reply](#)**sandeep jain says**

FEBRUARY 18, 2017 AT 1:40 PM

Hi Pankaj,

Cannot resolve this as

Cannot find class [com.journaldev.spring.dao.PersonDAOImpl] for bean with name 'personDAO' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl

at

org.springframework.beans.factory.support.AbstractBeanFactory.resolveBeanClass(AbstractBeanFactory.java:1327)

at

[Reply](#)**Gulab says**

APRIL 13, 2017 AT 5:24 AM

Create Setter Method for "PersonDAO" in "PersonServiceImpl"

[Reply](#)**aayush says**

FEBRUARY 9, 2017 AT 5:18 AM

Disabling contextual LOB creation as JDBC driver reported JDBC version [3] less than 4

[Reply](#)**Arun says**

APRIL 22, 2017 AT 1:43 AM

put latest version of data base dependency

[Reply](#)**aayush says**

FEBRUARY 9, 2017 AT 1:08 AM

HTTP Status 404 – /SpringMVCHibernate/person

type Status report

message /SpringMVCHibernate/person

description The requested resource is not available.

-----

Apache Tomcat/8.0.12  
what to do with this error

[Reply](#)

**aayush says**

FEBRUARY 9, 2017 AT 2:19 AM

Cannot find class [com.journaldev.spring.dao.PersonDAOImpl] for bean with name 'personDAO' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl  
why this error coming

[Reply](#)

**Gulab says**

APRIL 13, 2017 AT 5:27 AM

Create Setter Method for "PersonDAO" in "PersonServiceImpl"

[Reply](#)

**Gulab says**

APRIL 13, 2017 AT 5:26 AM

try with this url: <http://localhost:8080/SpringMVCHibernate/persons>

[Reply](#)

**a says**

APRIL 28, 2017 AT 4:51 AM

still its not working.what goes wrong?

[Reply](#)

**Selven says**

JANUARY 11, 2017 AT 7:43 PM

Hi,

I can access database, fetch values and print on the console. but the problem is unable to pass this data to JSP. local host says 404 error.

[Reply](#)

**Gulab says**

APRIL 13, 2017 AT 5:28 AM

check the "Requesting mapping Url" and In JSP

[Reply](#)

**ismail fedakar says**

DECEMBER 26, 2016 AT 1:20 PM

Merhaba Pankaj.

Kardeşim bu projeyide çalıştıramadım. Nedenini araştırıyorum her türlü deneme yapıyorum ama çalışmıyor. Bu projelerin güncel versiyonlarını koysan olmazmı. İnanki çok zaman kaybediyoruz. Bunca emek harcıyorsunuz. Sizde yazık bizde yazık.

Kolay Gelsin.

[Reply](#)

#### ismail fedakar says

DECEMBER 26, 2016 AT 1:15 PM

Merhaba pankaj.

Ne yaptıysam bu proje çalışmıyor kardeşim. Projelerin güncel versiyonlarını koysanız olmazmı.

Bu projeler jdk 1.6 ile yapılmış ki artık eclips te varsayılan olarak gelmiyor. Windows 7 de zaten jdk 1.6 desteklemiyor.

Boşa zaman kaybediyoruz. Yanlış anlama kardeşim buradan indirdiğim projelerin nerdeyse hiç biri çalışmıyor.

Kolay Gelsin.

[Reply](#)

#### Ismail Sen Cilginsin says

JANUARY 5, 2018 AT 2:38 AM

Arkadasim hasta misin sen? Adam biseyler öğretmek icin kendi istegiyle gayet aciklayarak ugrasarak proje koymus, sen sanki adamdan hizmet aliyormus para ödeyip karsilik bekliyormus gibi yazi yaziyorsun. Üstelik Türkce :))) hahaha ne manyaklar var ya.

[Reply](#)

#### vowovrz says

DECEMBER 15, 2016 AT 10:27 PM

1. In web.xml:

characterEncodingFilter

org.springframework.web.filter.CharacterEncodingFilter

encoding

UTF-8

forceEncoding

true

2. In pom.xml

5.1.38

mysql

mysql-connector-java

\${mysql.version}

3. In database testdb:

DROP TABLE IF EXISTS `person`;

CREATE TABLE `person` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`name` varchar(255) DEFAULT NULL,

`country` varchar(255) DEFAULT NULL,

PRIMARY KEY (`id`)

) ENGINE=InnoDB AUTO\_INCREMENT=5 DEFAULT CHARSET=utf8;

[Reply](#)

**makarovd says**

OCTOBER 9, 2017 AT 6:27 AM

In linux :

```
CREATE TABLE `PERSON` (
-> `Id` int(11) NOT NULL AUTO_INCREMENT,
-> `name` varchar(255) DEFAULT NULL,
-> `country` varchar(255) DEFAULT NULL,
-> PRIMARY KEY (`Id`)
-> ) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8;
```

[Reply](#)**Keval Soni says**

DECEMBER 4, 2016 AT 6:34 PM

@Controller

public class TravelHelperController {

```
    private static Logger
log=Logger.getLogger(TravelHelperController.class.getName());

    private UserProfileService userProfileService;

    @Autowired(required=true)
    @Qualifier(value="userProfileService")
    public void setUserProfileService(UserProfileService profile){
        this.userProfileService = profile;
    }

    @RequestMapping("/welcome")
    public ModelAndView helloWorld(){
        System.out.println("In TravelHelperController :: method helloWorld");
        log.info("In TravelHelperController :: method helloWorld");
        String message = ""
            + "***** Hello second page ";
        return new ModelAndView("welcome", "message", message);
    }

    @RequestMapping("/login")
    public ModelAndView checkLogin(){
        System.out.println("In TravelHelperController :: method checkLogin");
        log.info("In TravelHelperController :: method checkLogin");
        List profile = userProfileService.listProfile();
        System.out.println("Size : "+profile.size());
        return new ModelAndView("home", "message", "in home");
    }
}
```

Error Log:

Dec 04, 2016 2:04:49 PM org.apache.catalina.core.ApplicationContext log

INFO: Initializing Spring FrameworkServlet 'travelhelper'

Dec 04, 2016 2:04:50 PM org.apache.catalina.core.ApplicationContext log

SEVERE: StandardWrapper.Throwable

org.springframework.beans.factory.UnsatisfiedDependencyException: Error creating bean with name 'travelHelperController': Unsatisfied dependency expressed through method 'setUserProfileService' parameter 0: No qualifying bean of type [com.travelhelper.service.UserProfileService] found for dependency [com.travelhelper.service.UserProfileService]: expected at least 1 bean which qualifies as autowire candidate for this dependency. Dependency annotations: {}; nested exception is org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bean of type [com.travelhelper.service.UserProfileService] found for dependency [com.travelhelper.service.UserProfileService]: expected at least 1 bean which qualifies as autowire candidate for this dependency. Dependency annotations: {}

at

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor\$AutowiredMethodElement.inject(Autowi

Kindly help me in resolving this issue

[Reply](#)

**Keval Soni says**

DECEMBER 5, 2016 AT 12:29 PM

Issue is resolved

[Reply](#)

**Omar Córdova says**

FEBRUARY 18, 2017 AT 2:35 PM

How did you fix this problem?

[Reply](#)

**michael says**

NOVEMBER 17, 2016 AT 8:14 PM

i found a little problem, when i update the person with a error message as follows:

org.hibernate.PersistentObjectException: detached entity passed to persist – with JPA.

it need to change the session.persist(p) to session.update(p) in updatePerson method.

[Reply](#)

**Akouri ammar says**

NOVEMBER 16, 2016 AT 1:53 PM

I wrote the code from scratch and checked the URLs but still getting 404

[Reply](#)

**Arasu says**

NOVEMBER 12, 2016 AT 11:05 PM

Hi Pankaj,

Thanks for your project. But i'm getting error like "org.hibernate.HibernateException: No Session found for current thread" while loading the index page.

Awaiting for your response.

[Reply](#)

#### Raja says

NOVEMBER 5, 2016 AT 6:06 AM

I downloaded the project and ran it. I am getting 404.

[Reply](#)

#### Akouri ammar says

NOVEMBER 16, 2016 AT 1:47 PM

Followed all the steps but I still get 404. It must be the paths, Please let me know if you find a solution !

[Reply](#)

#### deep says

NOVEMBER 1, 2016 AT 5:19 AM

Hi Pankaj

I used same code as you given. But always shown "HTTP Status 404 - /SpringMVCHibernate/"

[Reply](#)

#### Jack says

OCTOBER 20, 2016 AT 5:09 AM

I've tried to run this, but I am seeing the following error. Not that I am not using Eclipse, but rather I'm trying to run from a console. Is this something that needs to have Eclipse to be able to run, or can it be done without it?

INFO: HHH000397: Using ASTQueryTranslatorFactory

Exception in thread "main" org.hibernate.MappingException: Unknown entity:

com.journaldev.model.Person

at org.hibernate.internal.SessionFactoryImpl.getEntityPersister(SessionFactoryImpl.java:1096)

at org.hibernate.internal.SessionImpl.getEntityPersister(SessionImpl.java:1488)

at org.hibernate.engine.internal.ForeignKeys.isTransient(ForeignKeys.java:242)

at

org.hibernate.event.internal.AbstractSaveEventListener.getEntityState(AbstractSaveEventListener.java:521)

at org.hibernate.event.internal.DefaultPersistEventListener.onPersist(DefaultPersistEventListener.java:116)

at org.hibernate.event.internal.DefaultPersistEventListener.onPersist(DefaultPersistEventListener.java:75)

at org.hibernate.internal.SessionImpl.firePersist(SessionImpl.java:811)

at org.hibernate.internal.SessionImpl.persist(SessionImpl.java:784)

at org.hibernate.internal.SessionImpl.persist(SessionImpl.java:789)

at com.journaldev.dao.PersonDAOImpl.save(PersonDAOImpl.java:22)

at com.journaldev.main.SpringHibernateMain.main(SpringHibernateMain.java:22)

My Classpaths are correct, but I don't know what I'm missing. Thanks in advance if you have any help to give!

[Reply](#)

**epo says**

OCTOBER 14, 2016 AT 5:01 AM

Excelente explicación. Gracias por el soporte.

[Reply](#)**angel says**

OCTOBER 11, 2016 AT 4:51 PM

I don't know why but when I open localhost:8080/SpringMVCHibernate/persons I do get the view but without any buttons and the query is not executed.

On the console I get.

Hibernate: select person0\_id as id1\_0\_, person0\_country as country2\_0\_, person0\_name as name3\_0\_ from table\_person person0\_

I'm using MariaDB 10.1.8 because that's the installed version on my localhost.

Any ideas?

[Reply](#)**Abhay says**

OCTOBER 5, 2016 AT 9:48 PM

I am using mysql as database.

I am not able to get more than 10 connections.

this is my configuration.

schema.hbm.xml

org.hibernate.dialect.MySQLDialect

10

5

100

update

[Reply](#)**webjb says**

JULY 28, 2017 AT 12:46 PM

MySQL allows only 10 connections if you want more you have to kill other process which are running

[Reply](#)**Ajaykumar says**

SEPTEMBER 17, 2016 AT 9:01 PM

Awesome My friend ☐ Very nice detailed tutorials with simplified manner.

[Reply](#)**krishna says**

SEPTEMBER 14, 2016 AT 5:22 AM

can you provide jar files instead of pom.xml and myeclipse structure required instead of eclipse



[Reply](#)**jayesh p says**

SEPTEMBER 9, 2016 AT 7:22 AM

Superb Pankaj, thanks this really helped me. keep up the good work ☐

[Reply](#)**ilker Eker says**

SEPTEMBER 4, 2016 AT 9:43 AM

Great working Example. Thanks ☐

[Reply](#)**Ekknath Take says**

AUGUST 26, 2016 AT 11:11 PM

SEVERE: A child container failed during start

```
java.util.concurrent.ExecutionException: org.apache.catalina.LifecycleException: Failed to start component [StandardEngine[Catalina].StandardHost[localhost].StandardContext[/SpringMVCHibernate]]
```

```
at java.util.concurrent.FutureTask.report(FutureTask.java:122)
```

```
at java.util.concurrent.FutureTask.get(FutureTask.java:192)
```

```
at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:916)
```

```
at org.apache.catalina.core.StandardHost.startInternal(StandardHost.java:871)
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
```

```
at org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1408)
```

```
at org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1398)
```

```
at java.util.concurrent.FutureTask.run(FutureTask.java:266)
```

```
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
```

```
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
```

```
at java.lang.Thread.run(Thread.java:745)
```

Caused by: org.apache.catalina.LifecycleException: Failed to start component

```
[StandardEngine[Catalina].StandardHost[localhost].StandardContext[/SpringMVCHibernate]]
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
```

... 6 more

Caused by: org.apache.catalina.LifecycleException: Failed to start component

```
[org.apache.catalina.webresources.StandardRoot@354285fc]
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
```

```
at org.apache.catalina.core.StandardContext.resourcesStart(StandardContext.java:4928)
```

```
at org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5058)
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
```

... 6 more

Caused by: org.apache.catalina.LifecycleException: Failed to initialize component

```
[org.apache.catalina.webresources.JarResourceSet@5a603673]
```

```
at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:106)
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:139)
```

```
at org.apache.catalina.webresources.StandardRoot.startInternal(StandardRoot.java:699)
```

```
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
```

... 9 more

Caused by: java.lang.IllegalArgumentException: java.util.zip.ZipException: invalid LOC header (bad signature)

```
at org.apache.catalina.webresources.JarResourceSet.initInternal(JarResourceSet.java:96)
```

```

at org.apache.catalina.util.LifecycleBase.init(LifecycleBase.java:102)
... 12 more
Caused by: java.util.zip.ZipException: invalid LOC header (bad signature)
at java.util.zip.ZipFile.read(Native Method)
at java.util.zip.ZipFile.access$1400(ZipFile.java:60)
at java.util.zip.ZipFile$ZipFileInputStream.read(ZipFile.java:717)
at java.util.zip.ZipFile$ZipFileInflaterInputStream.fill(ZipFile.java:419)
at java.util.zip.InflaterInputStream.read(InflaterInputStream.java:158)
at sun.misc.IOUtils.readFully(IOUtils.java:65)
at java.util.jar.JarFile.getBytes(JarFile.java:425)
at java.util.jar.JarFile.getManifestFromReference(JarFile.java:193)
at java.util.jar.JarFile.getManifest(JarFile.java:180)
at org.apache.catalina.webresources.JarResourceSet.initInternal(JarResourceSet.java:94)
... 13 more
Aug 26, 2016 11:37:54 PM org.apache.catalina.core.ContainerBase startInternal
SEVERE: A child container failed during start
java.util.concurrent.ExecutionException: org.apache.catalina.LifecycleException: Failed to start
component [StandardEngine[Catalina].StandardHost[localhost]]
at java.util.concurrent.FutureTask.report(FutureTask.java:122)
at java.util.concurrent.FutureTask.get(FutureTask.java:192)
at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:916)
at org.apache.catalina.core.StandardEngine.startInternal(StandardEngine.java:262)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
at org.apache.catalina.core.StandardService.startInternal(StandardService.java:441)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
at org.apache.catalina.core.StandardServer.startInternal(StandardServer.java:769)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
at org.apache.catalina.startup.Catalina.start(Catalina.java:625)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:351)
at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:485)
Caused by: org.apache.catalina.LifecycleException: Failed to start component
[StandardEngine[Catalina].StandardHost[localhost]]
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
at org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1408)
at org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1398)
at java.util.concurrent.FutureTask.run(FutureTask.java:266)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at java.lang.Thread.run(Thread.java:745)
Caused by: org.apache.catalina.LifecycleException: A child container failed during start
at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:924)
at org.apache.catalina.core.StandardHost.startInternal(StandardHost.java:871)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
... 6 more
Aug 26, 2016 11:37:54 PM org.apache.catalina.startup.Catalina start
SEVERE: The required Server component failed to start so Tomcat is unable to start.
org.apache.catalina.LifecycleException: Failed to start component [StandardServer[8005]]
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
at org.apache.catalina.startup.Catalina.start(Catalina.java:625)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)

```

```

at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:351)
at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:485)
Caused by: org.apache.catalina.LifecycleException: Failed to start component [StandardService[Catalina]]
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
at org.apache.catalina.core.StandardServer.startInternal(StandardServer.java:769)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
... 7 more
Caused by: org.apache.catalina.LifecycleException: Failed to start component [StandardEngine[Catalina]]
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:154)
at org.apache.catalina.core.StandardService.startInternal(StandardService.java:441)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
... 9 more
Caused by: org.apache.catalina.LifecycleException: A child container failed during start
at org.apache.catalina.core.ContainerBase.startInternal(ContainerBase.java:924)
at org.apache.catalina.core.StandardEngine.startInternal(StandardEngine.java:262)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
... 11 more
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol pause
INFO: Pausing ProtocolHandler ["http-nio-8080"]
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol pause
INFO: Pausing ProtocolHandler ["ajp-nio-8009"]
Aug 26, 2016 11:37:54 PM org.apache.catalina.core.StandardService stopInternal
INFO: Stopping service Catalina
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol destroy
INFO: Destroying ProtocolHandler ["http-nio-8080"]
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol destroy
SEVERE: Failed to destroy end point associated with ProtocolHandler ["http-nio-8080"]
java.lang.NullPointerException
at org.apache.tomcat.util.net.NioEndpoint.releaseCaches(NioEndpoint.java:305)
at org.apache.tomcat.util.net.NioEndpoint.unbind(NioEndpoint.java:481)
at org.apache.tomcat.util.net.AbstractEndpoint.destroy(AbstractEndpoint.java:823)
at org.apache.coyote.AbstractProtocol.destroy(AbstractProtocol.java:533)
at org.apache.catalina.connector.Connector.destroyInternal(Connector.java:1023)
at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.core.StandardService.destroyInternal(StandardService.java:589)
at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.core.StandardServer.destroyInternal(StandardServer.java:859)
at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.startup.Catalina.start(Catalina.java:629)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:351)
at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:485)
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol destroy
INFO: Destroying ProtocolHandler ["ajp-nio-8009"]
Aug 26, 2016 11:37:54 PM org.apache.coyote.AbstractProtocol destroy
SEVERE: Failed to destroy end point associated with ProtocolHandler ["ajp-nio-8009"]
java.lang.NullPointerException
at org.apache.tomcat.util.net.NioEndpoint.releaseCaches(NioEndpoint.java:305)
at org.apache.tomcat.util.net.NioEndpoint.unbind(NioEndpoint.java:481)
at org.apache.tomcat.util.net.AbstractEndpoint.destroy(AbstractEndpoint.java:823)
at org.apache.coyote.AbstractProtocol.destroy(AbstractProtocol.java:533)
at org.apache.catalina.connector.Connector.destroyInternal(Connector.java:1023)

```

```

at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.core.StandardService.destroyInternal(StandardService.java:589)
at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.core.StandardServer.destroyInternal(StandardServer.java:859)
at org.apache.catalina.util.LifecycleBase.destroy(LifecycleBase.java:305)
at org.apache.catalina.startup.Catalina.start(Catalina.java:629)
at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
at java.lang.reflect.Method.invoke(Method.java:498)
at org.apache.catalina.startup.Bootstrap.start(Bootstrap.java:351)
at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:485)

```

[Reply](#)

#### Andrew says

AUGUST 6, 2016 AT 9:42 PM

Got it running with postgres! Thanks for the great tutorial.

[Reply](#)

#### Basavanth says

AUGUST 4, 2016 AT 3:01 AM

when i am trying to hit the url <http://localhost:8080/SpringMVCHibernate/persons> i am getting following error

```

Cannot load JDBC driver class 'com.mysql.jdbc.Driver'
java.lang.ClassNotFoundException: com.mysql.jdbc.Driver
    at
    org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1645)
    at
    org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1491)
    at
    org.apache.commons.dbcp.BasicDataSource.createConnectionFactory(BasicDataSource.java:1420)

    at
    org.apache.commons.dbcp.BasicDataSource.createDataSource(BasicDataSource.java:1371)
    at
    org.apache.commons.dbcp.BasicDataSource.getConnection(BasicDataSource.java:1044)
    at
    org.hibernate.engine.jdbc.connections.internal.DatasourceConnectionProviderImpl.getConnection(DatasourceConnectionProv

    at
    org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessionImpl.java

    at
    org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:228)

    at
    org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)

    at org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)
    at
    org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:429)

```

```
        at
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformTransactionM

        at
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAspectSup

        at
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.

        at
org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)

        at
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)

        at
org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)

        at com.sun.proxy.$Proxy44.listPersons(Unknown Source)
        at com.journaldev.spring.PersonController.listPersons(PersonController.java:29)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at
sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at
org.springframework.web.method.support.InvocableHandlerMethod.invoke(InvocableHandlerMethod.java:215)

        at
org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:132)

        at
org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHa

        at
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHa

        at
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandle

        at
org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:83)

        at
org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:938)

        at
org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:870)
        at
org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:961)

        at
org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:617)
```

```

        at
org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
        at javax.servlet.http.HttpServlet.service(HttpServlet.java:717)
        at
org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:290)

        at
org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:206)

        at
org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:233)
        at
org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:191)
        at
org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:127)
        at
org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:102)
        at
org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:109)
        at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:298)
        at org.apache.coyote.http11.Http11Processor.process(Http11Processor.java:857)
        at
org.apache.coyote.http11.Http11Protocol$Http11ConnectionHandler.process(Http11Protocol.java:588)

        at org.apache.tomcat.util.net.JIoEndpoint$Worker.run(JIoEndpoint.java:489)
        at java.lang.Thread.run(Thread.java:745)
Cannot load JDBC driver class 'com.mysql.jdbc.Driver'
java.lang.ClassNotFoundException: com.mysql.jdbc.Driver
        at
org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1645)
        at
org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1491)
        at
org.apache.commons.dbcp.BasicDataSource.createConnectionFactory(BasicDataSource.java:1420)

        at
org.apache.commons.dbcp.BasicDataSource.createDataSource(BasicDataSource.java:1371)
        at
org.apache.commons.dbcp.BasicDataSource.getConnection(BasicDataSource.java:1044)
        at
org.hibernate.engine.jdbc.connections.internal.DatasourceConnectionProviderImpl.getConnection(DatasourceConnectionProv

        at
org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessionImpl.java

        at org.hibernate.WARN : org.hibernate.engine.jdbc.spi.SqlExceptionHelper - SQL
Error: 0, SQLState: null
ERROR: org.hibernate.engine.jdbc.spi.SqlExceptionHelper - Cannot load JDBC driver class
'com.mysql.jdbc.Driver'

```

Reply

**sooraj says**

SEPTEMBER 2, 2016 AT 10:12 AM

It could be because you have not added the mysql jar or dependency.

Reply

**arjun says**

AUGUST 3, 2016 AT 10:15 AM

hii i downloaded the example but it only have 1 folder and a pom file. The size of the file is only 50kb.. what might be the problem..

[Reply](#)**Pankaj says**

AUGUST 4, 2016 AT 11:02 PM

It's a maven project, build it.

[Reply](#)**akshay pai says**

AUGUST 1, 2016 AT 7:59 AM

Hi, Excellent article. I actually had a problem with handling Database tables in java Spring which do not have any primary key. For example Mapping tables , usually don't have any primary key. I took some time to understand how i can go about doing it teh right way. Ive put a small tutorial on it.

<https://sourcedexter.com/2015/09/26/handling-database-tables-with-no-primary-key-in-spring-mvc-and-hibernate/>

[Reply](#)**madhu says**

JULY 25, 2016 AT 12:33 AM

I am getting below error,

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet'

[Reply](#)**michael says**

AUGUST 2, 2016 AT 2:42 AM

try URL

/SpringMVCHibernate/persons

[Reply](#)**Martin says**

NOVEMBER 15, 2016 AT 7:36 PM

I have the same error and adding /persons to the url didn't work for me either.

[Reply](#)

**yogendra says**

JULY 17, 2016 AT 6:52 AM

i m getting mozo failure excetion after the import of this project.i have already change the Jdk Setting of the project but still the problem is same .plz advice me if anyone knows how to resolve this.thanks in advance.

[Reply](#)**John says**

JULY 17, 2016 AT 3:23 AM

Hi Pankaj,

I downloaded the final project, but don't know how to run it.

Could you please write something step by step to show how to work with the project?

I am a newbie, but I feel your tutorial is really good. Thank you.

[Reply](#)**Pankaj says**

JULY 17, 2016 AT 6:01 AM

Just follow the steps in the tutorial. There will be a SQL script to create database tables, just build and deploy into Tomcat and run it. Check for database connection settings and make sure to have Database driver jar in either your application or inside tomcat lib directory.

[Reply](#)**Someone says**

JULY 24, 2016 AT 3:25 AM

It just doesn't work. I compiled it, set the mysql credential, put things (hibernate) to build path, but it doesn't work. In my IDE (STS) It compiles, but front page give 404 error, and persons/ gives HTTP error 500.

[Reply](#)**Dawid says**

JULY 10, 2016 AT 5:19 AM

Works great, but have one question.

My hibernate configuration is not doing anything with the Person.java

Even if I add some column, it will not create it in my database. I've added

```
org.hibernate.dialect.MySQL5InnoDBDialect
```

```
true
```

```
create-drop
```

But didn't help.

Anything to force hibernate to rebuild the whole table.

Help.

[Reply](#)**Subrato B says**

JULY 6, 2016 AT 8:20 AM



Hi Pankaj,

Could you help me on this.

I am using Java 7 and JBoss 7. But I am facing following error when I start server.

```
20:40:24,004 ERROR [org.springframework.web.servlet.DispatcherServlet] (MSC service
thread 1-7) Context initialization failed:
org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'hibernate4AnnotatedSessionFactory' defined in ServletContext resource [/WEB-
INF/spring/appServlet/servlet-context.xml]: Invocation of init method failed; nested
exception is java.lang.NoSuchMethodError: javax.persistence.Table.indexes()
[Ljavax/persistence/Index;
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBea
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:304)
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:300)
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:195)
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFacto
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext
[spring-context-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:482)
[spring-context-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:658)
[spring-webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:624)
[spring-webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:672)
[spring-webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:543)
[spring-webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:484)
[spring-webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
```

```
at
org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136) [spring-
webmvc-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at javax.servlet.GenericServlet.init(GenericServlet.java:242) [jboss-servlet-
api_3.0_spec-1.0.0.Final.jar:1.0.0.Final]
    at
org.apache.catalina.core.StandardWrapper.loadServlet(StandardWrapper.java:1202)
[jbossweb-7.0.13.Final.jar:]
    at org.apache.catalina.core.StandardWrapper.load(StandardWrapper.java:1102)
[jbossweb-7.0.13.Final.jar:]
    at
org.apache.catalina.core.StandardContext.loadOnStartup(StandardContext.java:3655)
[jbossweb-7.0.13.Final.jar:]
    at org.apache.catalina.core.StandardContext.start(StandardContext.java:3873)
[jbossweb-7.0.13.Final.jar:]
    at
org.jboss.as.web.deployment.WebDeploymentService.start(WebDeploymentService.java:90)
[jboss-as-web-7.1.1.Final.jar:7.1.1.Final]
    at
org.jboss.msc.service.ServiceControllerImpl$StartTask.startService(ServiceControllerImpl.java:1811)

    at
org.jboss.msc.service.ServiceControllerImpl$StartTask.run(ServiceControllerImpl.java:1746)

    at java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
[rt.jar:1.7.0_80]
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)
[rt.jar:1.7.0_80]
    at java.lang.Thread.run(Unknown Source) [rt.jar:1.7.0_80]
Caused by: java.lang.NoSuchMethodError: javax.persistence.Table.indexes()
[Ljavax/persistence/Index;
    at
org.hibernate.cfg.annotations.EntityBinder.processComplementaryTableDefinitions(EntityBinder.java:936)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at org.hibernate.cfg.AnnotationBinder.bindClass(AnnotationBinder.java:824)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at
org.hibernate.cfg.Configuration$MetadataSourceQueue.processAnnotatedClassesQueue(Configuration.java:3788)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at
org.hibernate.cfg.Configuration$MetadataSourceQueue.processMetadata(Configuration.java:3742)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at org.hibernate.cfg.Configuration.secondPassCompile(Configuration.java:1410)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at org.hibernate.cfg.Configuration.buildSessionFactory(Configuration.java:1844)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at org.hibernate.cfg.Configuration.buildSessionFactory(Configuration.java:1928)
[hibernate-core-4.3.5.Final.jar:4.3.5.Final]
    at
org.springframework.orm.hibernate4.LocalSessionFactoryBuilder.buildSessionFactory(LocalSessionFactoryBuilder.java:343)
[spring-orm-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.orm.hibernate4.LocalSessionFactoryBean.buildSessionFactory(LocalSessionFactoryBean.java:431)
[spring-orm-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.orm.hibernate4.LocalSessionFactoryBean.afterPropertiesSet(LocalSessionFactoryBean.java:416)
```

```
[spring-orm-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapable
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBea
[spring-beans-4.0.3.RELEASE.jar:4.0.3.RELEASE]
    ... 26 more
```

[Reply](#)**Pankaj says**

JULY 6, 2016 AT 9:06 AM

Check your application jar files, NoSuchMethod error comes when jars are not compatible. Your code is trying to call a method, but the class loaded doesn't have that.

[Reply](#)**Peter steve says**

JUNE 24, 2016 AT 10:48 AM

Hi,

I download the source and build in eclipse and not problem.

When i run with tomcat i get a exception with personDAO.

I sent to you a email with the exactly problem and too the source code of application.

Please, help me to fix the problem.

[Reply](#)**Peter Steve says**

JUNE 24, 2016 AT 7:01 AM

Hi,

i have this error above. I see other persons have the same problem.

Related cause: org.springframework.beans.factory.CannotLoadBeanClassException: Cannot find class [com.journaldev.spring.dao.PersonDAOImpl] for bean with name 'personDAO' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is

java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl

Related cause: org.springframework.beans.factory.CannotLoadBeanClassException: Cannot find class [com.journaldev.spring.service.PersonServiceImpl] for bean with name 'personService' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is java.lang.ClassNotFoundException: com.journaldev.spring.service.PersonServiceImpl

Finally, what is the solution to problem?

I sent to you a email with the code

Please help me to fix the problem

Thanks very much

[Reply](#)**tanship says**

JUNE 24, 2016 AT 2:31 AM

Thank you for fresh good example!!

[Reply](#)

**ben26 says**

JUNE 24, 2016 AT 2:08 AM

Hi,

could anyone make a video tutorial on how to get this application work with the IntelliJ IDEA IDE? I'm kind of a newbie and having some troubles there.

Help would really be appreciated ☐

Thanks!

[Reply](#)**BALAKUMARAN R says**

JUNE 21, 2016 AT 6:18 AM

please can u tell me , what this error is shown

```
Jun 21, 2016 6:40:56 PM org.apache.tomcat.util.digester.SetPropertiesRule begin
WARNING: [SetPropertiesRule]{Server/Service/Engine/Host/Context} Setting property
'source' to 'org.eclipse.jst.j2ee.server:SpringMVCHibernate' did not find a matching
property.
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server version:      Apache Tomcat/7.0.64
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server built:       Aug 19 2015 17:18:06 UTC
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server number:      7.0.64.0
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: OS Name:            Windows NT (unknown)
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: OS Version:         6.2
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Architecture:       x86
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Java Home:           C:\Program Files (x86)\Java\jdk1.7.0_01\jre
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: JVM Version:         1.7.0_01-b08
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: JVM Vendor:          Oracle Corporation
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: CATALINA_BASE:       F:\Search\.metadata\.plugins\org.eclipse.wst.server.core\tmp0
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: CATALINA_HOME:       F:\apache-tomcat-7.0.64
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -
```

```
agentlib:jdwp=transport=dt_socket,suspend=y,address=localhost:56995
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -
```

```
Dcatalina.base=F:\Search\.metadata\.plugins\org.eclipse.wst.server.core\tmp0
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dcatalina.home=F:\apache-tomcat-7.0.64
```

```
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -
```

```
Dwtp.deploy=F:\Search\.metadata\.plugins\org.eclipse.wst.server.core\tmp0\wtpwebapps
```

```

Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Djava.endorsed.dirs=F:\apache-tomcat-7.0.64\endorsed
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dfile.encoding=Cp1252
Jun 21, 2016 6:40:56 PM org.apache.catalina.core.AprLifecycleListener lifecycleEvent
INFO: The APR based Apache Tomcat Native library which allows optimal performance in
production environments was not found on the java.library.path: C:\Program Files
(x86)\Java\jdk1.7.0_01\bin;C:\WINDOWS\Sun\Java\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\Program
Files (x86)\Java\jdk1.7.0_01\jre\bin;C:/Program Files
(x86)/Java/jre7/bin/client;C:/Program Files (x86)/Java/jre7/bin;C:/Program Files
(x86)/Java/jre7/lib/i386;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell
Files (x86)\Common Files\lenovo\easyplus_sdk\bin;C:\Program Files
(x86)\Skype\Phone\;F:\eclipse;.
Jun 21, 2016 6:40:56 PM org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["http-bio-8080"]
Jun 21, 2016 6:40:56 PM org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["ajp-bio-8009"]
Jun 21, 2016 6:40:56 PM org.apache.catalina.startup.Catalina load
INFO: Initialization processed in 500 ms
Jun 21, 2016 6:40:56 PM org.apache.catalina.core.StandardService startInternal
INFO: Starting service Catalina
Jun 21, 2016 6:40:56 PM org.apache.catalina.core.StandardEngine startInternal
INFO: Starting Servlet Engine: Apache Tomcat/7.0.64
Jun 21, 2016 6:40:57 PM org.apache.catalina.startup.TldConfig execute
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging
for this logger for a complete list of JARs that were scanned but no TLDs were found in
them. Skipping unneeded JARs during scanning can improve startup time and JSP
compilation time.
Jun 21, 2016 6:40:57 PM org.apache.catalina.core.ApplicationContext log
INFO: No Spring WebApplicationInitializer types detected on classpath
Jun 21, 2016 6:40:57 PM org.apache.catalina.core.ApplicationContext log
INFO: Initializing Spring root WebApplicationContext
log4j:WARN No appenders could be found for logger
(org.springframework.web.context.ContextLoader).
log4j:WARN Please initialize the log4j system properly.
Jun 21, 2016 6:40:58 PM org.apache.catalina.core.StandardContext listenerStart
SEVERE: Exception sending context initialized event to listener instance of class
org.springframework.web.context.ContextLoaderListener
org.springframework.beans.factory.xml.XmlBeanDefinitionStoreException: Line 1 in XML
document from ServletContext resource [/WEB-INF/spring/root-context.xml] is invalid;
nested exception is org.xml.sax.SAXParseException; lineNumber: 1; columnNumber: 39;
Premature end of file.
    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadBeanDefinitions(XmlBeanDefinitionReader.java:398)
    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReader.java:335)
    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReader.java:303)
    at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReade
    at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReade

```

```
    at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReade

    at
org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationContext.java:125

    at
org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationContext.java:94)

    at
org.springframework.context.support.AbstractRefreshableApplicationContext.refreshBeanFactory(AbstractRefreshableApplic

    at
org.springframework.context.support.AbstractApplicationContext.obtainFreshBeanFactory(AbstractApplicationContext.java:

    at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:454)

    at
org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(ContextLoader.java:403)

    at
org.springframework.web.context.ContextLoader.initWebApplicationContext(ContextLoader.java:306)

    at
org.springframework.web.context.ContextLoaderListener.contextInitialized(ContextLoaderListener.java:106)

    at
org.apache.catalina.core.StandardContext.listenerStart(StandardContext.java:5003)
    at
org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5517)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
    at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1574)
    at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1564)
    at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:334)
    at java.util.concurrent.FutureTask.run(FutureTask.java:166)
    at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1110)
    at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:603)
    at java.lang.Thread.run(Thread.java:722)
Caused by: org.xml.sax.SAXParseException; lineNumber: 1; columnNumber: 39; Premature
end of file.
    at
com.sun.org.apache.xerces.internal.util.ErrorHandlerWrapper.createSAXParseException(ErrorHandlerWrapper.java:198)

    at
com.sun.org.apache.xerces.internal.util.ErrorHandlerWrapper.fatalError(ErrorHandlerWrapper.java:177)

    at
com.sun.org.apache.xerces.internal.impl.XMLErrorReporter.reportError(XMLErrorReporter.java:441)

    at
```

```

com.sun.org.apache.xerces.internal.impl.XMLErrorReporter.reportError(XMLErrorReporter.java:368)

    at
com.sun.org.apache.xerces.internal.impl.XMLScanner.reportFatalError(XMLScanner.java:1375)

    at
com.sun.org.apache.xerces.internal.impl.XMLDocumentScannerImpl$PrologDriver.next(XMLDocumentScannerImpl.java:1016)

    at
com.sun.org.apache.xerces.internal.impl.XMLDocumentScannerImpl.next(XMLDocumentScannerImpl.java:607)

    at
com.sun.org.apache.xerces.internal.impl.XMLNSDocumentScannerImpl.next(XMLNSDocumentScannerImpl.java:116)

    at
com.sun.org.apache.xerces.internal.impl.XMLDocumentFragmentScannerImpl.scanDocument(XMLDocumentFragmentScannerImpl.java:
    at
com.sun.org.apache.xerces.internal.parsers.XML11Configuration.parse(XML11Configuration.java:835)

    at
com.sun.org.apache.xerces.internal.parsers.XML11Configuration.parse(XML11Configuration.java:764)

    at
com.sun.org.apache.xerces.internal.parsers.XMLParser.parse(XMLParser.java:123)
    at
com.sun.org.apache.xerces.internal.parsers.DOMParser.parse(DOMParser.java:240)
    at
com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderImpl.parse(DocumentBuilderImpl.java:300)

    at
org.springframework.beans.factory.xml.DefaultDocumentLoader.loadDocument(DefaultDocumentLoader.java:76)

    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadDocument(XmlBeanDefinitionReader.java:428)

    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadBeanDefinitions(XmlBeanDefinitionReader.java:390)

... 23 more

Jun 21, 2016 6:40:58 PM org.apache.catalina.core.StandardContext startInternal
SEVERE: One or more listeners failed to start. Full details will be found in the
appropriate container log file
Jun 21, 2016 6:40:58 PM org.apache.catalina.core.StandardContext startInternal
SEVERE: Context [/SpringMVCHibernate] startup failed due to previous errors
Jun 21, 2016 6:40:58 PM org.apache.catalina.core.ApplicationContext log
INFO: Closing Spring root WebApplicationContext
Jun 21, 2016 6:40:58 PM org.apache.catalina.core.StandardContext listenerStop
SEVERE: Exception sending context destroyed event to listener instance of class
org.springframework.web.context.ContextLoaderListener
java.lang.IllegalStateException: BeanFactory not initialized or already closed - call
'refresh' before accessing beans via the ApplicationContext
    at
org.springframework.context.support.AbstractRefreshableApplicationContext.getBeanFactory(AbstractRefreshableApplicatio

```

```
at
org.springframework.context.support.AbstractApplicationContext.destroyBeans(AbstractApplicationContext.java:921)

at
org.springframework.context.support.AbstractApplicationContext.doClose(AbstractApplicationContext.java:895)

at
org.springframework.context.support.AbstractApplicationContext.close(AbstractApplicationContext.java:841)

at
org.springframework.web.context.ContextLoader.closeWebApplicationContext(ContextLoader.java:579)

at
org.springframework.web.context.ContextLoaderListener.contextDestroyed(ContextLoaderListener.java:115)

at
org.apache.catalina.core.StandardContext.listenerStop(StandardContext.java:5050)
at
org.apache.catalina.core.StandardContext.stopInternal(StandardContext.java:5712)
    at org.apache.catalina.util.LifecycleBase.stop(LifecycleBase.java:232)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:160)
    at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1574)
    at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1564)
    at java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:334)
    at java.util.concurrent.FutureTask.run(FutureTask.java:166)
    at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1110)
    at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:603)
    at java.lang.Thread.run(Thread.java:722)

Jun 21, 2016 6:40:58 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-bio-8080"]
Jun 21, 2016 6:40:58 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-bio-8009"]
Jun 21, 2016 6:40:58 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in 1630 ms
```

[Reply](#)

**Abhinav says**

AUGUST 26, 2016 AT 3:11 AM

@BALAKUMARAN : Your root-context.xml file is empty & missing xmlns. Please download the project and copy the file from it. I was also facing the same error.

[Reply](#)

**Swastik Vn says**

JANUARY 13, 2017 AT 1:34 AM

root-context.xml file is empty in this example. so it is giving file not found exception to me.

[Reply](#)



**naveen says**

NOVEMBER 20, 2016 AT 7:09 AM

u have miss configuration of the disptcater-servlet.xml Spring versions and xsd files are missed

[Reply](#)**gautham says**

JUNE 21, 2016 AT 12:37 AM

hi its a great tutorial , can you make a tutorial for spring mvc curd using one-to-one mapping. it will be of great help .

[Reply](#)**Alexander says**

JUNE 14, 2016 AT 3:55 PM

Just want to say thank you for sharing this great tutorial!

[Reply](#)**Pankaj says**

JUNE 14, 2016 AT 9:53 PM

you are welcome Alexander

[Reply](#)**armel says**

JUNE 17, 2016 AT 9:15 AM

Hi Pankaj,

I just wanted to say thanks for this tutorial it's awesome

[Reply](#)**Newbie says**

JUNE 14, 2016 AT 2:01 AM

Really Really works !

Many Thanksssss !!!!! I had searched for the tutorial for a month, but only this tutorial works for me

Thank You for this awesome tutorial !

I hope u can teach more and more .

Thank You !

[Reply](#)**Pankaj says**

JUNE 14, 2016 AT 5:30 AM

Thanks for the awesome comment, it made my day. ☺

[Reply](#)

**Sudipto says**

JUNE 13, 2016 AT 11:38 PM

Hi Pankaj,

I have been following this tutorial on Spring MVC . Your tutorial is a great source of learning.

I have one doubt . If I have more than one DAO/ Service class , how do I mention in servlet-context.xml ?

Thanks a lot for making such a great tutorial. Keep up the good work.

[Reply](#)**Pankaj says**

JUNE 14, 2016 AT 5:32 AM

You can have multiple DAO and Service classes. Just define them in spring bean configuration file or use Spring annotations.

[Reply](#)**Denis says**

JUNE 12, 2016 AT 5:34 PM

Hi Pankaj,

I'm getting error:

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet'

I am using pivotal server v3.1.

Please help.

Thanks,

Denis.

[Reply](#)**Pankaj says**

JUNE 13, 2016 AT 2:11 AM

Check the servlet context of your war file and the correct URI.

[Reply](#)**Shudhanshu Verma says**

JUNE 7, 2016 AT 11:31 PM

Great work mate!! thank you so much

[Reply](#)**Pankaj says**

JUNE 8, 2016 AT 1:33 AM

Thanks Sudhanshu.

[Reply](#)

**Mohd Umar says**

JUNE 7, 2016 AT 1:38 AM

Thank you for such a nice and easy tutorial.

A quick note, for those who getting Could not connect  
add these dependency in your pom.xml

mysql

mysql-connector-java

5.1.17

jar

compile

[Reply](#)

**Mohd Umar says**

JUNE 7, 2016 AT 1:40 AM

<http://stackoverflow.com/questions/29245102/maven-java-lang-classnotfoundexception-com-mysql-jdbc-driver>

[Reply](#)

**Pankaj says**

JUNE 7, 2016 AT 4:20 AM

I have already added a note for this.

[Reply](#)

**ilker Eker says**

SEPTEMBER 4, 2016 AT 9:42 AM

You are great my friend. You have solved the problem ☺

[Reply](#)

**Ravan says**

JUNE 1, 2016 AT 6:02 PM

Thanks for your tutorial. It really helps beginners to understand both Spring and Hibernate Concepts at one time.

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:21 AM

Thanks for the nice words buddy.

[Reply](#)

**gadziki says**

MAY 14, 2016 AT 10:05 AM

IT DOESNT WORK !!

[Reply](#)**Pankaj says**

MAY 29, 2016 AT 7:08 AM

Please let me know what error you are getting. Common errors you might get are:

1. Wrong URL – 404 error means something wrong in URL.
2. Database connection issue – check for MySQL driver, user password etc.

[Reply](#)**Abhishek Mishra says**

MARCH 18, 2018 AT 4:55 AM

I am getting error 4 url not found please suggest how to get the solution for this.

[Reply](#)**Shivanshu says**

MAY 11, 2016 AT 11:42 PM

Great work , keep it up.

[Reply](#)**Pankaj says**

MAY 29, 2016 AT 7:08 AM

Thanks Shivanshu for kind words.

[Reply](#)**MeenaKannan says**

MAY 2, 2016 AT 1:32 AM

It looks good and also works well . Thanks

[Reply](#)**Pankaj says**

MAY 29, 2016 AT 7:08 AM

Thanks Meena for the nice comment.

[Reply](#)**Raul says**

APRIL 21, 2016 AT 11:50 AM

Here is the mysql connector for java pom dependency for all of those who are having problems.

mysql

mysql-connector-java

5.1.17

[Reply](#)

**Pankaj says**

MAY 29, 2016 AT 7:10 AM

I have mentioned it clearly that I have MySQL driver in tomcat lib directory, so I don't need to include that. It's a very simple fix and can be easily found by looking at logs for error.

[Reply](#)**svorobei says**

APRIL 18, 2016 AT 3:15 AM

Dear Pankaj, please tell me what went wrong? i have include msqldb-driver to pom, changed both login and pass, created db "testdb", but i'm getting these errors and exceptions: (i'm using idea)

```
org.springframework.web.util.NestedServletException: Request processing failed; nested
exception is org.springframework.transaction.CannotCreateTransactionException: Could
not open Hibernate Session for transaction; nested exception is
org.hibernate.exception.GenericJDBCException: Could not open connection
```

```
org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:973)
```

```
org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:621)
```

```
org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:728)
```

root cause

```
org.springframework.transaction.CannotCreateTransactionException: Could not open
Hibernate Session for transaction; nested exception is
org.hibernate.exception.GenericJDBCException: Could not open connection
```

```
org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:515)
```

```
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformTransactionM
```

```
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAspectSup
```

```
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.
```

```
org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)
```

```
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
```

```
org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)
```

```
com.sun.proxy.$Proxy117.listPersons(Unknown Source)
```

```
com.journaldev.spring.PersonController.listPersons(PersonController.java:29)
```

```
sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
java.lang.reflect.Method.invoke(Method.java:497)

org.springframework.web.method.support.InvocableHandlerMethod.invoke(InvocableHandlerMethod.java:215)

org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:132)

org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandle

org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:83)

org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:938)

org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:870)

org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:961)

org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
javax.servlet.http.HttpServlet.service(HttpServlet.java:621)

org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
javax.servlet.http.HttpServlet.service(HttpServlet.java:728)
root cause

org.hibernate.exception.GenericJDBCException: Could not open connection

org.hibernate.exception.internal.StandardSQLExceptionConverter.convert(StandardSQLExceptionConverter.java:54)

org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:126)

org.hibernate.engine.jdbc.spi.SqlExceptionHelper.convert(SqlExceptionHelper.java:112)

org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:235)

org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)

    org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)

org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:429)
```

```
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformTransactionM

org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAspectSup

org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.

org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)

org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)

org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)

    com.sun.proxy.$Proxy117.listPersons(Unknown Source)
    com.journaldev.spring.PersonController.listPersons(PersonController.java:29)
    sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    java.lang.reflect.Method.invoke(Method.java:497)

org.springframework.web.method.support.InvocableHandlerMethod.invoke(InvocableHandlerMethod.java:215)

org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:132)

org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandle

org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:83)

org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:938)

org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:870)

org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:961)

org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:621)
```

```

org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:728)
root cause

java.sql.SQLException: The server time zone value '???' is unrecognized or represents more than one time zone. You must configure
either the server or JDBC driver (via the serverTimezone configuration property) to use
a more specific time zone value if you want to utilize time zone support.
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:695)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:663)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:653)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:638)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:606)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:624)
    com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:620)

com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:68)

    com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:1683)
    com.mysql.cj.jdbc.ConnectionImpl.(ConnectionImpl.java:656)
    com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:349)
    com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:221)
    java.sql.DriverManager.getConnection(DriverManager.java:664)
    java.sql.DriverManager.getConnection(DriverManager.java:208)

org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriverManager(DriverManagerDataSource.java:
org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriver(DriverManagerDataSource.java:144)

org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnectionFromDriver(AbstractDriverBasedDataSource
org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnection(AbstractDriverBasedDataSource.java:120)

org.hibernate.engine.jdbc.connections.internal.DatasourceConnectionProviderImpl.getConnection(DatasourceConnectionProv
org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessionImpl.java
org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:228)

org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)

    org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)

org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:429)

org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformTransactionM

```



```
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAspectSup

org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.

org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)

org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)

org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)

    com.sun.proxy.$Proxy117.listPersons(Unknown Source)
    com.journaldev.spring.PersonController.listPersons(PersonController.java:29)
    sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    java.lang.reflect.Method.invoke(Method.java:497)

org.springframework.web.method.support.InvocableHandlerMethod.invoke(InvocableHandlerMethod.java:215)

org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:132)

org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandle

org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:83)

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org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:870)

org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:961)

org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:621)

org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:728)
root cause

com.mysql.cj.core.exceptions.InvalidConnectionAttributeException: The server time zone
```

value '##### (#####)' is unrecognized or represents more than one time zone. You must configure either the server or JDBC driver (via the serverTimezone configuration property) to use a more specific time zone value if you want to utilize time zone support.

```

    sun.reflect.NativeConstructorAccessorImpl.newInstance0(Native Method)

sun.reflect.NativeConstructorAccessorImpl.newInstance(NativeConstructorAccessorImpl.java:62)

sun.reflect.DelegatingConstructorAccessorImpl.newInstance(DelegatingConstructorAccessorImpl.java:45)

    java.lang.reflect.Constructor.newInstance(Constructor.java:422)

com.mysql.cj.core.exceptions.ExceptionFactory.createException(ExceptionFactory.java:54)

com.mysql.cj.core.exceptions.ExceptionFactory.createException(ExceptionFactory.java:73)
    com.mysql.cj.jdbc.util.TimeUtil.getCanonicalTimezone(TimeUtil.java:118)
    com.mysql.cj.mysqla.MysqlaSession.configureTimezone(MysqlaSession.java:308)

com.mysql.cj.jdbc.ConnectionImpl.initializePropsFromServer(ConnectionImpl.java:2474)
    com.mysql.cj.jdbc.ConnectionImpl.connectOneTryOnly(ConnectionImpl.java:1817)
    com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:1673)
    com.mysql.cj.jdbc.ConnectionImpl.(ConnectionImpl.java:656)
    com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:349)
    com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:221)
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org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnection(AbstractDriverBasedDataSource.java:120)

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org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessionImpl.java:30)

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org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)

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org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)

org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)

    com.sun.proxy.$Proxy117.listPersons(Unknown Source)
    com.journaldev.spring.PersonController.listPersons(PersonController.java:29)
    sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    java.lang.reflect.Method.invoke(Method.java:497)

org.springframework.web.method.support.InvocableHandlerMethod.invoke(InvocableHandlerMethod.java:215)

org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:132)

org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHa

org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandle

org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:83)

org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:938)

org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:870)

org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:961)

org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:852)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:621)

org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:837)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:728)
```

[Reply](#)**Pankaj says**

APRIL 18, 2016 AT 5:00 AM

Do one thing, write a standalone java class and check if you are able to connect using JDBC API?

[Reply](#)**Siva says**

APRIL 17, 2016 AT 8:01 AM

Thanks my friend.your article is very great helpful.

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:22 AM

Appreciate your comment buddy. These type of comments help me keep going.

[Reply](#)**dous says**

APRIL 5, 2016 AT 7:25 AM

hi,

thanks for great tutorial. i used it to write my own application. however i see one error up there.

add person method on person controller class returns null pointer exception on if clause because of == 0 check. i resolved it with == null clause. changing part here below.

//For add and update person both

@RequestMapping(value= "/person/add", method = RequestMethod.POST)

public String addPerson(@ModelAttribute("person") Person p){

// if(p.getId() == 0){ -> changed it

if(p.getId() == null){

//new person, add it

this.personService.addPerson(p);

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:29 AM

You must be using ID as String. For my example id is "int", so it will have default value as 0. ☐

[Reply](#)**Marat says**

MARCH 28, 2016 AT 8:38 PM

Hi Pankaj,

Very nice Example )))

You will not prompt me how to configure JNDI in Spring Bean Configuration Context(Servlet-Context) for AS WildFly

Thanks

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:30 AM

I am not sure what you are asking but thanks for appreciating. ☐

[Reply](#)

**trong says**

MARCH 25, 2016 AT 3:06 AM

i installed is ok. but add and config more . Plz view youtube and note thanks in youtube if you feel ok.



<https://youtu.be/ndSbbqEzJaw>

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:31 AM

Thanks for making the video. I wish you had put audio too. Also put details about the issue and steps for solution here.

[Reply](#)

**DC says**

MARCH 22, 2016 AT 3:20 AM

How can we do edit without logger

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:31 AM

Not sure what you are looking for.

[Reply](#)

**DC says**

MARCH 22, 2016 AT 3:18 AM

Nice Example...

But how can we edit the details without using logger

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:32 AM

Loggers are not editing anything, that is just to log the messages to check and confirm that things are working fine.

[Reply](#)

**don says**

MARCH 21, 2016 AT 8:10 PM

hello, dao file and model file use which tool(version) to generate? thanks

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:35 AM

i have created it myself, but you can use some tools to do it. Check if there is some option in Hibernate Tool Eclipse plugin? You can read below article for a quick roundup on Hibernate Tools Eclipse plugin.

<https://www.journaldev.com/2940/hibernate-tools-eclipse-plugin-for-generating-hibernate-mapping-and-configuration-files>

[Reply](#)**Venkatesh Manohar says**

MARCH 10, 2016 AT 12:14 AM

Thanks a lot. It really helped me a lot to start a Spring Hibernate project from scratch.

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:35 AM

You are welcome Venkatesh.

[Reply](#)**eksa says**

MARCH 9, 2016 AT 8:23 AM

hi pankaj,

for some reason the app does the job but nothing happens in the database(add person)?!

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:49 AM

check your logs and see if you are committing the transaction.

[Reply](#)**Anand says**

MARCH 7, 2016 AT 8:23 AM

Thanks Pankaj, It worked like a charm ☐

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 6:49 AM

Awesome Anand, glad to hear.

[Reply](#)**Ramkumar says**

MARCH 7, 2016 AT 5:45 AM

i am getting this (No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet') error

[Reply](#)**sherif says**

APRIL 10, 2016 AT 3:53 AM

same with me , if you did it please tell me how

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:51 AM

Check the images for correct URI, also check the request mapping configured.

[Reply](#)**Ramkumar says**

MARCH 7, 2016 AT 4:09 AM

i am trying to import this project but i am getting No projects are found to import?

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:51 AM

its a maven based project, check you are at the right directory or not. You need to use the root directory while importing maven project, so that Eclipse will scan the pom.xml file.

[Reply](#)**amit says**

FEBRUARY 26, 2016 AT 2:43 AM

I am getting (No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet') on console...could any one help me

thanks

[Reply](#)

**DC says**

MARCH 22, 2016 AT 3:21 AM

instead of your url just write URL /SpringMVCHiberante/persons

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:52 AM

Thanks for helping Amit. Appreciate it.

[Reply](#)**abinagabalan says**

FEBRUARY 4, 2016 AT 11:26 PM

how to add multiple internal resource view resolver

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:56 AM

I have not tried it, you can check if there is some settings for that in

`InternalResourceViewResolver` class?

I have not tried this but I can think you can define multiple `InternalResourceViewResolver` beans in the spring configuration file, try that and let me know if it works? ☐

[Reply](#)**abinagabalan says**

FEBRUARY 4, 2016 AT 9:41 PM

Above spring and hibernate integration code has worked for me. Thanks for providing articial

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:57 AM

you are welcome buddy.

[Reply](#)**andy says**

JANUARY 23, 2016 AT 3:26 AM

What is the sense of using Apache Commons DBCP dependecie for connection pooling if Tomcat itself using it? Here is from tomcat documentation:

"NOTE – The default data source support in Tomcat is based on the DBCP connection pool from the Commons project. However, it is possible to use any other connection pool that implements `javax.sql.DataSource`, by writing your own custom resource factory"



[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:57 AM

It's for keeping the things simple, in real life projects you will use Tomcat Data Source for connection pooling.

[Reply](#)**andy says**

JANUARY 21, 2016 AT 1:02 PM

Why are you using new Integer(id) instead of just using id here:

Person p = (Person) session.load(Person.class, new Integer(id));

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:58 AM

No significance, we can pass "int" also that will be changed to Integer class using autoboxing.

[Reply](#)**Denis says**

JANUARY 18, 2016 AT 2:59 AM

Hi,

I tried setting up a simple example based on your in STS3.7.2 using the New->Spring Legacy->Spring MVC and I added your database entries in the servlet-context.xml.

However, I am getting "Build path is incomplete. Cannot find class file for org.springframework.context.event.EventListenerFactory"

Would you be able to tell me why?

Thank you,

Denis

com.journaldev.spring.model.Person

org.hibernate.dialect.MySQLDialect

true

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 6:59 AM

compare your pom.xml dependencies with mine, you might be missing some artifacts.

[Reply](#)**Roberto Eder Weiss Juárez says**

JANUARY 4, 2016 AT 1:05 PM

Thanks very much!! You are amazing!!

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:00 AM

You are awesome too for taking time in writing this nice comment. ☐

[Reply](#)**Mark says**

JANUARY 2, 2016 AT 8:38 PM

In the DAOImpl methods, why does one need to cast to (Person) when the information is coming back from the database/session? What is it passed as?

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:04 AM

Because the Hibernate Session load() method returns Object, so we need to explicitly cast it.

[Reply](#)**Arun MC says**

DECEMBER 31, 2015 AT 12:25 PM

Hello Team,

You have to add below mentioned jar dependency in pom.xml to auto download

mysql jar

mysql

mysql-connector-java

5.1.6

Back to basic.

Yours Arun MC

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:07 AM

Thanks Arun. I have this jar in tomcat bin directory, so it was not there in pom.xml

Since many users are facing this issue, I have added a note in the post for this.

[Reply](#)**anoop says**

DECEMBER 27, 2015 AT 11:18 PM

hi,

What if I just want to CRUD operation on name? where I need to do changes

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:08 AM

Just change the name value, so that only name will be updated. □

[Reply](#)

**Ankit says**

DECEMBER 26, 2015 AT 10:44 PM

This is amazing tutorial. Worked perfectly for me after adding mysql-connector-java-5.1.30 in pom.xml. One question, I didn't understand why we didn't use spring-dispatcher-servlet.xml file. What is the difference between spring-dispatcher-servlet.xml and appServlet/servlet-context.xml

[Reply](#)

**Rahul Survase says**

JANUARY 12, 2016 AT 2:40 AM

both are same. if you have appServlet/servlet-context then you dont need spring-dispatcher-servlet. it creates automatic for maven project.

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:08 AM

Thanks for the clarification Rahul, you are absolutely correct. We can keep any name and configure it.

[Reply](#)

**Vibrant says**

DECEMBER 25, 2015 AT 2:04 AM

The application is working fine for me. Thank you very much for providing detailed information.

[Reply](#)

**Rajan says**

DECEMBER 31, 2015 AT 7:49 PM

Hi Vibrant- Could please send me the code on below email Id ?

[me.rajandayma@gmail.com](mailto:me.rajandayma@gmail.com)

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:09 AM

You can download the project from the link at the end of article. □

[Reply](#)

**Afjal Ali says**

DECEMBER 17, 2015 AT 8:52 AM

Hi all,

i am getting linkage error with wildFly JBoss 9 so any one help me to solve this problem.

```
INFO : org.springframework.beans.factory.xml.XmlBeanDefinitionReader - Loading XML bean
definitions from ServletContext resource [/WEB-INF/spring/appServlet/servlet-
context.xml]
17:50:30,042 WARN [org.jboss.modules] (ServerService Thread Pool -- 22) Failed to
define class org.springframework.transaction.event.TransactionalEventListenerFactory in
Module "deployment.paytmkyc_war_exploded.war:main" from Service Module Loader:
java.lang.LinkageError: Failed to link
org/springframework/transaction/event/TransactionalEventListenerFactory (Module
"deployment.paytmkyc_war_exploded.war:main" from Service Module Loader)
    at org.jboss.modules.ModuleClassLoader.defineClass(ModuleClassLoader.java:437)
    at
org.jboss.modules.ModuleClassLoader.loadClassLocal(ModuleClassLoader.java:269)
    at
org.jboss.modules.ModuleClassLoader$1.loadClassLocal(ModuleClassLoader.java:77)
    at org.jboss.modules.Module.loadModuleClass(Module.java:560)
    at org.jboss.modules.ModuleClassLoader.findClass(ModuleClassLoader.java:197)
    at
org.jboss.modules.ConcurrentClassLoader.performLoadClassUnchecked(ConcurrentClassLoader.java:455)
    at
org.jboss.modules.ConcurrentClassLoader.performLoadClassChecked(ConcurrentClassLoader.java:404)
    at
org.jboss.modules.ConcurrentClassLoader.performLoadClass(ConcurrentClassLoader.java:385)
    at
org.jboss.modules.ConcurrentClassLoader.loadClass(ConcurrentClassLoader.java:130)
    at
org.springframework.transaction.config.AnnotationDrivenBeanDefinitionParser.registerTransactionalEventListenerFactory(
    at
org.springframework.transaction.config.AnnotationDrivenBeanDefinitionParser.parse(AnnotationDrivenBeanDefinitionParser
    at
org.springframework.beans.factory.xml.NamespaceHandlerSupport.parse(NamespaceHandlerSupport.java:74)
    at
org.springframework.beans.factory.xml.BeanDefinitionParserDelegate.parseCustomElement(BeanDefinitionParserDelegate.jav
    at
org.springframework.beans.factory.xml.BeanDefinitionParserDelegate.parseCustomElement(BeanDefinitionParserDelegate.jav
    at
org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.parseBeanDefinitions(DefaultBeanDefinitionDo
    at
org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.doRegisterBeanDefinitions(DefaultBeanDefinit
    at
org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.registerBeanDefinitions(DefaultBeanDefinitio
    at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.registerBeanDefinitions(XmlBeanDefinitionReader.java:508
```

```
        at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadBeanDefinitions(XmlBeanDefinitionReader.java:392)

        at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReader.java:336)

        at
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReader.java:304)

        at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReader.java:187)

        at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReader.java:187)

        at
org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanDefinitionReader.java:187)

        at
org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationContext.java:125)

        at
org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationContext.java:94)

        at
org.springframework.context.support.AbstractRefreshableApplicationContext.refreshBeanFactory(AbstractRefreshableApplicationContext.java:116)

        at
org.springframework.context.support.AbstractApplicationContext.obtainFreshBeanFactory(AbstractApplicationContext.java:645)

        at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:452)

        at
org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:663)

        at
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:629)

        at
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:677)

        at
org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:548)

        at
org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:489)

        at
org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
        at javax.servlet.GenericServlet.init(GenericServlet.java:244)
        at
io.undertow.servlet.core.LifecycleInterceptorInvocation.proceed(LifecycleInterceptorInvocation.java:117)

        at
```

```

org.wildfly.extension.undertow.security.RunAsLifecycleInterceptor.init(RunAsLifecycleInterceptor.java:78)

    at
io.undertow.servlet.core.LifecycleInterceptorInvocation.proceed(LifecycleInterceptorInvocation.java:103)

    at
io.undertow.servlet.core.ManagedServlet$DefaultInstanceStrategy.start(ManagedServlet.java:230)

    at
io.undertow.servlet.core.ManagedServlet.createServlet(ManagedServlet.java:131)
    at
io.undertow.servlet.core.DeploymentManagerImpl.start(DeploymentManagerImpl.java:511)
    at
org.wildfly.extension.undertow.deployment.UndertowDeploymentService.startContext(UndertowDeploymentService.java:101)

    at
org.wildfly.extension.undertow.deployment.UndertowDeploymentService$1.run(UndertowDeploymentService.java:82)

        at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
        at java.util.concurrent.FutureTask.run(FutureTask.java:266)
        at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
        at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
        at java.lang.Thread.run(Thread.java:745)
        at org.jboss.threads.JBossThread.run(JBossThread.java:320)
Caused by: java.lang.NoClassDefFoundError:
org/springframework/context/event/EventListenerFactory
    at java.lang.ClassLoader.defineClass1(Native Method)
    at java.lang.ClassLoader.defineClass(ClassLoader.java:760)
    at
org.jboss.modules.ModuleClassLoader.doDefineOrLoadClass(ModuleClassLoader.java:353)
    at org.jboss.modules.ModuleClassLoader.defineClass(ModuleClassLoader.java:432)
    ... 49 more

```

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:10 AM

Caused by: java.lang.NoClassDefFoundError:  
org/springframework/context/event/EventListenerFactory  
Seems like you are missing some jar files.

[Reply](#)

**Víctor Márquez Flores says**

DECEMBER 16, 2015 AT 8:51 PM

Fine to me. I implement wiht oracle 11g  
I made a maven for oracle jar library ojdbc6.jar  
com.oracle  
ojdbc6  
11.2.0.3.0

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:11 AM

That's the beauty of hibernate, just change some configs and you are able to switch database vendor. Loosely coupled from database point of view.

[Reply](#)**Sergey says**

NOVEMBER 22, 2015 AT 8:39 AM

Thank you very much for the example, but it does not work. After the deploying on my server I have something like this:

HTTP Status 404 –

type: Status report

message

description: The requested resource is not available.

Apache Tomcat/8.0.28

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:11 AM

Please check the URIs.

[Reply](#)**Arjun says**

NOVEMBER 21, 2015 AT 1:45 AM

```
org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'registrationDao' defined in ServletContext resource [/WEB-INF/MyHotelServlet-
servlet.xml]: Cannot resolve reference to bean 'hibernate4AnnotatedSessionFactory'
while setting bean property 'sessionFactory'; nested exception is
org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'hibernate4AnnotatedSessionFactory' defined in ServletContext resource [/WEB-
INF/MyHotelServlet-servlet.xml]: Invocation of init method failed; nested exception is
java.lang.NoClassDefFoundError: Could not initialize class
org.springframework.orm.hibernate4.LocalSessionFactoryBuilder
```

```
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav
```

```
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol
```

```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab
```

```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
```

```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
```

```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.DefaultListableBeanFactory.findAutowireCandidates(DefaultListableBeanFactory

org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.ja

org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java
```



```
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(Autowi

org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredA

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFacto

org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext

org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:537)

org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:667)

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:633)

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)

org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:552)

org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:493)

    org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
    javax.servlet.GenericServlet.init(GenericServlet.java:158)
```

```
org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:503)
    org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:103)
    org.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950)
    org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:421)

org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1070)

org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:611)

org.apache.tomcat.util.net.JIoEndpoint$SocketProcessor.run(JIoEndpoint.java:314)
    java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
    java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)

org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
    java.lang.Thread.run(Unknown Source)

root cause

org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'hibernate4AnnotatedSessionFactory' defined in ServletContext resource [/WEB-
INF/MyHotelServlet-servlet.xml]: Invocation of init method failed; nested exception is
java.lang.NoClassDefFoundError: Could not initialize class
org.springframework.orm.hibernate4.LocalSessionFactoryBuilder

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBea

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav

org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab
```

```
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.DefaultListableBeanFactory.findAutowireCandidates(DefaultListableBeanFactory
org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.ja
```

```
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(Autowi
org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredA
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFacto
org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:537)
org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:667)
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:633)
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)
org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:552)
```

```
org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:493)

    org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
    javax.servlet.GenericServlet.init(GenericServlet.java:158)

org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:503)
    org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:103)
    org.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950)
    org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:421)

org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1070)

org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:611)

org.apache.tomcat.util.net.JIoEndpoint$SocketProcessor.run(JIoEndpoint.java:314)
    java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
    java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)

org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
    java.lang.Thread.run(Unknown Source)

root cause

java.lang.NoClassDefFoundError: Could not initialize class
org.springframework.orm.hibernate4.LocalSessionFactoryBuilder

org.springframework.orm.hibernate4.LocalSessionFactoryBean.afterPropertiesSet(LocalSessionFactoryBean.java:343)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:1769)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:1712)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:545)

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:484)

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:234)

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
```

```
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.jav
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResol
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapab
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)
```

```
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.DefaultListableBeanFactory.findAutowireCandidates(DefaultListableBeanFactory

org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java

org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(Autowi

org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)

org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredA

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF

org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)

org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:301)

org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)

org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFacto

org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext

org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:537)

org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:667)

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:633)
```

```

org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)

org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:552)

org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:493)
    org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
    javax.servlet.GenericServlet.init(GenericServlet.java:158)

org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:503)
    org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:103)
    org.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950)
    org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:421)

org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1070)

org.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractProtocol.java:611)

org.apache.tomcat.util.net.JIoEndpoint$SocketProcessor.run(JIoEndpoint.java:314)
    java.util.concurrent.ThreadPoolExecutor.runWorker(Unknown Source)
    java.util.concurrent.ThreadPoolExecutor$Worker.run(Unknown Source)

org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
    java.lang.Thread.run(Unknown Source)

```

Help me in this

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:12 AM

java.lang.NoClassDefFoundError: Could not initialize class  
 org.springframework.orm.hibernate4.LocalSessionFactoryBuilder  
 You are missing some jar files.

[Reply](#)

**Tom says**

NOVEMBER 20, 2015 AT 12:40 PM

I followed your tutorial step-by-step, except used the names for my personal database table, and I'm getting an error (seems like a couple other people had the same issue with no resolution). Any help would be appreciated.

```

SEVERE: Exception sending context initialized event to listener instance of class
org.springframework.web.context.ContextLoaderListener
org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'userProfileController': Injection of autowired dependencies failed; nested exception

```



```
is org.springframework.beans.factory.BeanCreationException: Could not autowire method:
public void
com.sonepar.spring.webapp.UserProfileController.setUserProfileService(com.sonepar.spring.webapp.service.UserProfileSer
    nested exception is org.springframework.beans.factory.NoSuchBeanDefinitionException:
No qualifying bean of type [com.sonepar.spring.webapp.service.UserProfileService] found
for dependency: expected at least 1 bean which qualifies as autowire candidate for this
dependency. Dependency annotations: {}
    at
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredA

    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanF

    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanF

    at
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFac

    at
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:306)

    at
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:

    at
org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:302)

    at
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)

    at
org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFacto

    at
org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext

    at
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:537)

    at
org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(ContextLoader.java:446)

    at
org.springframework.web.context.ContextLoader.initWebApplicationContext(ContextLoader.java:328)

    at
org.springframework.web.context.ContextLoaderListener.contextInitialized(ContextLoaderListener.java:107)

    at
org.apache.catalina.core.StandardContext.listenerStart(StandardContext.java:5003)
    at
org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5517)
    at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
    at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1574)
```

```
at
org.apache.catalina.core.ContainerBase$StartChild.call(ContainerBase.java:1564)
at java.util.concurrent.FutureTask.run(FutureTask.java:266)
at
java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at
java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at java.lang.Thread.run(Thread.java:745)
Caused by: org.springframework.beans.factory.BeanCreationException: Could not autowire
method: public void
com.sonepar.spring.webapp.UserProfileController.setUserProfileService(com.sonepar.spring.webapp.service.UserProfileSer
nested exception is org.springframework.beans.factory.NoSuchBeanDefinitionException:
No qualifying bean of type [com.sonepar.spring.webapp.service.UserProfileService] found
for dependency: expected at least 1 bean which qualifies as autowire candidate for this
dependency. Dependency annotations: {}
at
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(Autowi
at
org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)
at
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredA
... 22 more
Caused by: org.springframework.beans.factory.NoSuchBeanDefinitionException: No
qualifying bean of type [com.sonepar.spring.webapp.service.UserProfileService] found
for dependency: expected at least 1 bean which qualifies as autowire candidate for this
dependency. Dependency annotations: {}
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.raiseNoSuchBeanDefinitionException(DefaultListabl
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java
at
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java
at
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(Autowi
... 24 more
```

[Reply](#)

**Pankaj says**

NOVEMBER 20, 2015 AT 7:01 PM

No Bean definition found, please check your bean configurations.

[Reply](#)

**albert says**

NOVEMBER 16, 2015 AT 10:07 AM

Thank you, its working for me.

In model, person, table name is Person instead of PERSON (@Table(name="PERSON"))

[Reply](#)

**Pankaj says**

JUNE 4, 2016 AT 7:13 AM

ideally table names should be case insensitive.

[Reply](#)

**Fakher Hakim says**

NOVEMBER 9, 2015 AT 12:26 AM

Hello

I'm getting this error when i run the application:

org.springframework.beans.factory.BeanCreationException: Error creating bean with name

'org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping#0':

Invocation of init method failed; nested exception is

org.springframework.beans.factory.CannotLoadBeanClassException: Cannot find class

[com.journaldev.spring.dao.PersonDAOImpl] for bean with name 'personDAO' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is

java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl

Related cause: org.springframework.beans.factory.CannotLoadBeanClassException: Cannot find class

[com.journaldev.spring.dao.PersonDAOImpl] for bean with name 'personDAO' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is

java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl

Related cause: org.springframework.beans.factory.CannotLoadBeanClassException: Cannot find class

[com.journaldev.spring.service.PersonServiceImpl] for bean with name 'personService' defined in ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml]; nested exception is

java.lang.ClassNotFoundException: com.journaldev.spring.service.PersonServiceImpl .....

i checked the servlet-context.xml but every thing is OK. what the problem ??

[Reply](#)

**Fakher Hakim says**

NOVEMBER 9, 2015 AT 1:05 AM

i resolved this problem by deleting the interfaces in package DAO and Service

[Reply](#)

**Rajesh says**

OCTOBER 26, 2015 AT 11:46 PM

Awesome Example perfectly working....

[Reply](#)

**dandu says**

DECEMBER 22, 2015 AT 4:26 AM

update,delete,edit,...not working could u tell me what is problem...select is working

[Reply](#)

**Pankaj says**

DECEMBER 22, 2015 AT 7:40 AM

check if your database user has required privileges? also what is the error you are getting? did u commit the changes?

[Reply](#)**nacho says**

OCTOBER 26, 2015 AT 3:45 PM

what happens if i want the same thing using two or more tables? i have to do the same twice?

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:14 AM

For that we have Spring Transaction Management.

[Reply](#)**Ilton says**

OCTOBER 9, 2015 AT 6:05 PM

Nice tutorial. Thank you very much!

[Reply](#)**BG says**

OCTOBER 12, 2015 AT 11:42 AM

No words enough to thank you Pankaj! Keep going.

[Reply](#)**Pankaj says**

JUNE 4, 2016 AT 7:15 AM

Thanks guys.

[Reply](#)**guest says**

SEPTEMBER 30, 2015 AT 11:44 PM

Hi Sir Please post a detailed answer for how to set welcome page as most of us are getting 404 error.

[Reply](#)**Pankaj says**

OCTOBER 1, 2015 AT 3:13 AM

Hi, If you are in the stage of learning Spring, Hibernate frameworks then I would think you should know about ServletContext, welcome page, accessing correct URLs etc.

1. ServletContext or application context – it's the WAR file name in Tomcat, so if your war file name is test.war, then automatically it's located at host:port/test
2. Welcome page can be set in the web.xml file, for example.

```
<welcome-file-list>
  <welcome-file>index.html</welcome-file>
</welcome-file-list>
```

3. URLs are already there in the images, just follow them.

[Reply](#)

**Marco says**

OCTOBER 28, 2015 AT 2:39 AM

Hello Pankaj, I am following your guardians, even if nn understand English well, however, are really good.

In SpringMVCHibernate app that I imported on eclipse, after creating the database TestDB and three columns (one I phpMyAdmin).

When you start the application from queso error in the console:

WARN: org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/ SpringMVCHibernate /] in DispatcherServlet with name 'appServlet' and the browser with url – http: // localhost: 8080 / SpringMVCHibernate / with HTTP Error Status report, null message and descizione The Requested resource is not available.

Do you know how can I do? Thanks ...

[Reply](#)

**Pankaj says**

OCTOBER 28, 2015 AT 7:14 AM

What is the WAR file name in your Tomcat server. This is because of servlet context of your application.

[Reply](#)

**Maddy says**

AUGUST 30, 2016 AT 11:42 PM

Can you explain this step. about war files and servlet context of the application...in simpler terms. thanks in advance

**gangadhar says**

DECEMBER 9, 2015 AT 2:45 AM

Thank you sir

[Reply](#)

**Lucas says**

SEPTEMBER 18, 2015 AT 6:58 AM

Great tutorial, dude. Thanks a lot!

[Reply](#)

**bala says**

SEPTEMBER 18, 2015 AT 12:32 AM

it works for me. Nice article thank u sir .awesome tutorial website

[Reply](#)

**Dair says**

SEPTEMBER 6, 2015 AT 7:42 PM

I imported using maven and run it works perfect. thanks

[Reply](#)

**Adit says**

SEPTEMBER 3, 2015 AT 10:36 AM

hai i couldnt your project.. i have error

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet'

Why to resolved..?

Thanks

[Reply](#)

**Carlos Cunarro says**

SEPTEMBER 29, 2015 AT 5:31 AM

This problem is because you should check in pom the property final name (it is referenced by property artifact id). Check this property has same name as folder that Tomcat deploys your application (.metadata/.plugins/org.eclipse.wst.server.core/tmp0/wtpwebapps/XXX). After doing this and running maven install and then run on server it should be fixed. And try to access XXX/persons url.

Hope this helps

[Reply](#)

**Andrew says**

SEPTEMBER 3, 2015 AT 6:26 AM

Thank you for the CRUD example!

I see you are using hidden form fields to maintain state of non-editable entity fields. Is there any other (recommended) way to create CRUD forms that only partially edit an entity?

If that entity had, for instance, a BLOB field, it would not pass through the form as a hidden input element and would be lost upon every update, correct? How would you approach creating a form for such an entity?

Thank you,

Andrew

[Reply](#)

**Subramanya says**

SEPTEMBER 2, 2015 AT 10:17 AM

Thanks It works. As suggested above, changed the pom to include mysql connector . Created test db.

[Reply](#)**Sachin says**

AUGUST 22, 2015 AT 5:19 AM

No mapping found for HTTP request with URI [/SpringMvcHibernate/] in DispatcherServlet with name 'appServlet'

[Reply](#)**Omunt says**

SEPTEMBER 24, 2015 AT 3:55 PM

I also got the same error, I had to do Maven Install in order to generate correctly the application. If you are using Eclipse you can try as I did, go to the project, right click, run as Maven Install. Once is done, then proceed to run on server.

Good luck!

[Reply](#)**Shaikh Hussain says**

AUGUST 18, 2015 AT 7:46 AM

without maven.

[Reply](#)**Shaikh Hussain says**

AUGUST 18, 2015 AT 7:45 AM

Hello Sir,

i am new to Spring and Hibernate. I want to integrate Spring 3.0 with Hibernate 3.2. But i do not have any idea how to do that. Sir if and only if possible can you provide me a simple example Spring with Hibernate using MVC architecture with annotation.

Its humble request sir.

Thank You.

[Reply](#)**Raichand Ray says**

AUGUST 9, 2015 AT 9:49 PM

Dear Sir,

Very Good Tutorial.

Please modify it to include Date of Birth property.

Also use primefaces .Those will be very much helpful to newbies

Thanks

Raichand Ray

[Reply](#)

**Aabid Husain says**

AUGUST 6, 2015 AT 3:05 AM

Good exposure, but not for spring fresher, a lot of jar files have to be added in project, so i suggest that you have to show an image of jar files in this tutorial, It would be great helpful, Thank you sir.

[Reply](#)**Pankaj says**

AUGUST 6, 2015 AT 11:43 PM

To avoid adding jars manually, we are using Maven.

[Reply](#)**shikha srivastava says**

JULY 26, 2015 AT 8:44 PM

what is the url to execute this code?

[Reply](#)**Isaac says**

JULY 23, 2015 AT 4:33 PM

Muy buenos post gracias, aprendemos mucho de tu trabajo sigue adelante compartiendo el conocimiento.

[Reply](#)**Nilesh Vadaliya says**

JULY 19, 2015 AT 11:22 PM

Thankss broo..... ☐

[Reply](#)**Derek says**

JULY 13, 2015 AT 2:25 PM

Regarding the 404 errors that people are encountering, I found that I was hitting a 404 error when I was trying to run tomcat out of Eclipse. When I copy-pasted the project war file to the tomcat webapps folder and then ran tomcat from the command prompt, the web app functioned properly.

So, my steps are as follows:

1. Run "mvn clean install" from the command prompt
2. Navigate to the folder that the war file was created in. In my case it was under the ../SpringMVCHibernate/target folder. The command prompt should say where the war file was created.
3. Copy-paste this war file to your tomcat webapps folder. In my case I keep it under C:\tools\apache-tomcat-7.0.62\webapps
4. Run tomcat from the command line. The command is "startup.bat". This assumes you have the CATALINA\_HOME system variable set up properly.

The web app worked after this. Gave myself a headache trying to figure out what was wrong with my code.

[Reply](#)



**Dev says**

AUGUST 25, 2015 AT 8:45 PM

That was very helpful, what is the URL.. localhost:8080/

[Reply](#)**Peter says**

JUNE 30, 2015 AT 7:48 AM

Why do you use @Autowired(required=true) @Qualifier(value="personService") , and not PersonServiceImpl ?The personService is not only the interface ?

[Reply](#)**Ashraf says**

JUNE 16, 2015 AT 11:59 AM

Thank you Pankaj for this wonderful tutorial.

I imported the project to eclipse and did all the steps required as Aatif did.

I got to the index.jsp where it says Click to enter.

When I click I got the error of 404 resource not available.

Please note this is the first time I'm trying spring, hibernate.

Any help will be appreciated.

Thanks

[Reply](#)**Ravi Rajput says**

JUNE 10, 2015 AT 3:28 AM

appServlet

/

This gives an error in mapping resource not found plz tell me about this problem

[Reply](#)**DEVIPRASAD HEGDE says**

JUNE 7, 2015 AT 3:44 AM

Hi Pankaj

Great work. Worked perfectly once i added the sql connectoe dependency. Thanks a lot fro your efforts.

[Reply](#)**Mamatha Gurram says**

JUNE 8, 2015 AT 7:11 PM

Hi DeviPrasad,

I used the same exact example, but im getting 404 error when i am running the application. Can you please help me.

Thanks.

Mamtha

[Reply](#)

**Mamatha Gurram says**

JUNE 5, 2015 AT 7:58 AM

Hi Pankaj,

When i am trying to execute the application its showing 404 error .Can you please help me out with this problem.

Thanks in Advance,

Mamtha

[Reply](#)

**Prashant says**

MAY 27, 2015 AT 9:35 PM

Another question..How do we know whether DB connected or not , any log messages for this? I am using Oracle 11g.

Thanks..

[Reply](#)

**Prashant says**

MAY 30, 2015 AT 5:38 AM

Hi Pankaj,

Could you please reply below query.

1).How do we know whether DB connected or not , any log messages for this? I am using Oracle 11g.

2)Below Exception

```
java.lang.IllegalStateException: Neither BindingResult nor plain target object for
bean name 'person' available as request attribute
```

```
org.springframework.web.servlet.support.BindStatus.(BindStatus.java:144)
```

```
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getBindStatus(AbstractDataBoundFormEleme
```

```
org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getPropertyPath(AbstractDataBoundFormEle
```

```
org.springframework.web.servlet.tags.form.LabelTag.autogenerateFor(LabelTag.java:130)
```

```
org.springframework.web.servlet.tags.form.LabelTag.resolveFor(LabelTag.java:120)
```

```
org.springframework.web.servlet.tags.form.LabelTag.writeTagContent(LabelTag.java:90)
```

```
org.springframework.web.servlet.tags.form.AbstractFormTag.doStartTagInternal(AbstractFormTag.java:84)
```

```
org.springframework.web.servlet.tags.RequestContextAwareTag.doStartTag(RequestContextAwareTag.java:80)
```

```
org.apache.jsp.index_jsp._jspx_meth_form_005flabel_005f1(index_jsp.java:427)
```

```
org.apache.jsp.index_jsp._jspx_meth_form_005fform_005f0(index_jsp.java:180)
```

```
org.apache.jsp.index_jsp._jspService(index_jsp.java:108)
```

```
org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)
```

```
javax.servlet.http.HttpServlet.service(HttpServlet.java:722)
```

```
org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:419)
    org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:391)
    org.apache.jasper.servlet.JspServlet.service(JspServlet.java:334)
    javax.servlet.http.HttpServlet.service(HttpServlet.java:722)
```

[Reply](#)

**Prashant says**

MAY 30, 2015 AT 8:18 AM

Please somebody reply to my above query..

Thanks.

Prashant

[Reply](#)

**Omunt says**

SEPTEMBER 24, 2015 AT 3:52 PM

Did you check the dialect in the hibernate4AnnotatedSessionFactory. In the example given the dialect is set to org.hibernate.dialect.MySQLDialect. If you are using Oracle you will need to change it to the corresponding correct dialect. I checked and it seems that this should be org.hibernate.dialect.OracleDialect, taken from here

<http://stackoverflow.com/questions/4369944/hibernate-dialect-for-oracle-database-11g>.

[Reply](#)

**Suraj Singh says**

MAY 23, 2015 AT 9:56 AM

Awesome stuff. Thanks bro.

[Reply](#)

**Ankush says**

MAY 11, 2015 AT 6:22 AM

Thanks pankaj sir.

U r doing fantastic job for us.

[Reply](#)

**Venkat says**

MAY 8, 2015 AT 9:11 AM

Hi Pankaj,

You are doing a tremendous job.

Thanks a lot for all the CONTENT..

Professional to professional bow from my side.

Thanks,

Venkat

[Reply](#)

**Manoj says**

MAY 2, 2015 AT 2:28 PM

Hi Pankaj,

Thanks for above given nice example. But i have one issue, when i try to start the tomcat 6.0 in STS. It gives this below given error:- can u help me for this (I am unable to start the Tomcat)

```
java.lang.reflect.InvocationTargetException
at sun.reflect.NativeMethodAccessorImpl.invoke(Native Method)
at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source)
at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source)
at java.lang.reflect.Method.invoke(Unknown Source)
at org.apache.catalina.startup.Bootstrap.load(Bootstrap.java:261)
at org.apache.catalina.startup.Bootstrap.main(Bootstrap.java:413)
Caused by: java.lang.NoClassDefFoundError: org/apache/juli/logging/LogFactory
at org.apache.tomcat.util.digester.Digester.(Digester.java:326)
at org.apache.catalina.startup.Catalina.createStartDigester(Catalina.java:253)
at org.apache.catalina.startup.Catalina.load(Catalina.java:474)
at org.apache.catalina.startup.Catalina.load(Catalina.java:562)
... 6 more
Caused by: java.lang.ClassNotFoundException: org.apache.juli.logging.LogFactory
at java.net.URLClassLoader.findClass(Unknown Source)
at java.lang.ClassLoader.loadClass(Unknown Source)
at java.lang.ClassLoader.loadClass(Unknown Source)
... 10 more
```

Thanks.

[Reply](#)**Santosh Sm says**

APRIL 30, 2015 AT 2:19 AM

Hi Pankaj,

It was a great article..... ☐ mysql connector dependency is missing in ur pom.xml .....

[Reply](#)**serban says**

APRIL 29, 2015 AT 8:40 AM

Hi Pankaj,

I used your example but with two classes(book and review) instead of one (person) and I receive an error (below) if i have @Controlled annotation on both classes. If i delete it from one it works but it says No mapping found for HTTP request with URI [/BookReviewApp/] in DispatcherServlet with name 'servlet'.

ERROR: org.springframework.web.servlet.DispatcherServlet - Context initialization failed

org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping#0':

Invocation of init method failed; nested exception is java.lang.IllegalStateException: Ambiguous mapping found. Cannot map 'reviewController' bean method

```
public java.lang.String
```

```
com.bookReview.app.ReviewController.editReview(int,org.springframework.ui.Model)
```

```
to {[/edit/{id}],methods=[],params=[],headers=[],consumes=[],produces=[],custom=[]}:
There is already 'bookController' bean method
```

```
public java.lang.String
```

```
com.bookReview.app.BookController.editBook(int,org.springframework.ui.Model) mapped.
```

Thank you,  
Serban  
[Reply](#)

**Osama says**

APRIL 28, 2015 AT 9:41 AM

Thank you very much, finally I found a working example connecting SpringMVC with Hibernate and Maven  
[Reply](#)

**Sachin Parse says**

APRIL 24, 2015 AT 4:16 AM

Very nice example.

I am getting this error:

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet with name 'appServlet'

Give me solution.

[Reply](#)

**Stefania says**

JUNE 22, 2015 AT 5:44 AM

you have to call: /SpringMVCHibernate/persons

[Reply](#)

**aayush says**

FEBRUARY 10, 2017 AT 10:04 PM

servlet

/

Try this

[Reply](#)

**aayush says**

FEBRUARY 10, 2017 AT 10:05 PM

Try this only.

/

[Reply](#)

**Hernando says**

APRIL 22, 2015 AT 12:40 PM

Friend've noticed that not told web.xml as every application should contain, I can explain why?

[Reply](#)

**Jz says**

APRIL 20, 2015 AT 5:47 PM

Hey! Thank you so much for this wonderful tutorial. Clear and concise. I will now try to integrate this with AngularJS or BackboneJS! For those people encountering database connection-related exceptions, just add mysql Maven dependency to your pom.xml ( I added version 5.1.32)

Again. Thank you sir! Cheers from the Philippines!

[Reply](#)**Anas says**

APRIL 7, 2015 AT 7:05 AM

Hi Pankaj, I'm using Glassfish and I got this error :

Error An error has occurred

Exception while loading the app : java.lang.Exception: java.lang.IllegalStateException:

ContainerBase.addChild: start: org.apache.catalina.LifecycleException:

org.apache.catalina.LifecycleException: java.lang.ClassNotFoundException:

com.journaldev.spring.dao.PersonDAOImpl

Please Help !!

[Reply](#)**someone says**

MARCH 31, 2015 AT 6:10 AM

Great job my friend, thank you so much !

[Reply](#)**zodiac says**

MARCH 22, 2015 AT 9:48 AM

Hello, Pankaj! Can you add Search button to your application? Search button is for searching person by name.

[Reply](#)**Luna says**

MARCH 21, 2015 AT 10:18 AM

Thanks a LOOOOT for this tutorial !!! It helped me so much!! I tried a lot of others tutorials before, and none of them worked...

I just added this in the pom.xml :

mysql

mysql-connector-java

5.1.32

And I modified the credentials in servlet-context.xml, and now everything is fine!!

I saw in other tutorials that we can use java class instead of xml files for configuration, are you considering this solution for your projects ?

Thanks again!

[Reply](#)

**Vaibhav Mittal says**

MARCH 20, 2015 AT 3:30 AM

addPerson function in DAOImpl is not working for me.

I tried below two different ways and both are working:

1. Session session = this.sessionFactory.getCurrentSession(); // or openSession()

session.save(p);

2. Session session = this.sessionFactory.getCurrentSession();

Transaction tx = session.beginTransaction();

session.persist(p);

tx.commit();

Please check at your end and change code in above DAO accordingly. It will help others.

[Reply](#)**abhay deva says**

FEBRUARY 23, 2015 AT 6:02 AM

Nice Article .it's very simple to understand to spring mvc flow.

Thank you Pankaj.

[Reply](#)**Naveen says**

MARCH 19, 2015 AT 1:03 AM

This is really good to understand spring MVC Web Flow. Thanks Pankaj

[Reply](#)**Srikanth Vengala says**

FEBRUARY 17, 2015 AT 3:22 AM

Hi Pankaj, when I run your application locally, I got this exception

```
org.springframework.beans.factory.BeanDefinitionStoreException: Unexpected exception
parsing XML document from ServletContext resource [/WEB-INF/spring/appServlet/servlet-
context.xml]; nested exception is java.lang.NoClassDefFoundError:
```

```
org.springframework.aop.config.AopNamespaceUtils
```

```
at
```

```
org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadBeanDefinitions(XmlBeanDefinitionReader.java:412)
```

[Reply](#)**Arnaldo Vicente says**

FEBRUARY 8, 2015 AT 8:25 AM

I need understand how to integrate : Hibernate , Spring MVC with MySQL in NetBeans. Is urgent, if someone have solution code, please send me.

[Reply](#)**Purba says**

FEBRUARY 3, 2015 AT 12:25 PM

Hi Pankaj,

It is nice and concise article. Can you please explain about the client side validation i.e JavaScript integration with Spring MVC?

[Reply](#)

#### Andrew says

FEBRUARY 2, 2015 AT 11:56 PM

Empty root-context.xml was a source of errors, I've changed path in web.xml to "/WEB-INF/spring/appServlet/servlet-context.xml".

Also had a problem with deploying using Eclipse(number of jars should be added to classpath manually), so deploy manually or use maven.

Last problem was that pom.xml doesn't have a dependency for mysql jdbc driver.

[Reply](#)

#### Barstu says

MARCH 13, 2015 AT 8:11 AM

Thank you very much ☐ It works now.

[Reply](#)

#### Gururaj says

FEBRUARY 2, 2015 AT 9:16 PM

Too many ads.. I am feeling lite bet uncomfortable.

Many thanks! Clear and concise and works well!

[Reply](#)

#### Jarek says

JANUARY 22, 2015 AT 5:14 AM

sty 22, 2015 12:43:32 PM org.apache.catalina.core.ApplicationContext log  
INFO: Closing Spring root WebApplicationContext

sty 22, 2015 12:43:34 PM org.apache.catalina.core.ApplicationContext log  
INFO: No Spring WebApplicationInitializer types detected on classpath

sty 22, 2015 12:43:34 PM org.apache.catalina.core.ApplicationContext log  
plz look into this

INFO: Initializing Spring root WebApplicationContext

sty 22, 2015 12:43:34 PM org.apache.catalina.core.ApplicationContext log  
INFO: Initializing Spring FrameworkServlet 'appServlet'

sty 22, 2015 12:45:15 PM org.apache.catalina.core.ApplicationContext log  
INFO: Destroying Spring FrameworkServlet 'spring'

sty 22, 2015 12:45:16 PM org.apache.catalina.core.ApplicationContext log  
INFO: No Spring WebApplicationInitializer types detected on classpath

sty 22, 2015 12:45:16 PM org.apache.catalina.core.ApplicationContext log  
INFO: Initializing Spring FrameworkServlet 'spring'

[Reply](#)



**Vikash says**

JANUARY 19, 2015 AT 8:21 PM

Hi,

It is working in tomcat/webapps installation but not on Eclipse.

In eclipse it doesnt give the below logs, that is the reason it is not starting up. Anyone any guess why??

Jan 13, 2015 10:37:55 PM org.apache.catalina.core.ApplicationContext log

INFO: Initializing Spring root WebApplicationContext

INFO : org.springframework.web.context.ContextLoader – Root WebApplicationContext: initialization started

Also can anybody explain here how sessionFactory.getCurrentSession() is working in this application. No session was opened in it.

Many many thanks in Advance . .

[Reply](#)**Abiy says**

JANUARY 14, 2015 AT 11:25 PM

Many thanks! Clear and concise and works well!

[Reply](#)**Ty says**

JANUARY 11, 2015 AT 5:47 PM

Hello,

Where did you download the hibernate and sl4j jars. The package's dont match. I cant find one that does.

Thank You

[Reply](#)**Herry says**

JANUARY 8, 2015 AT 2:27 AM

Hello Pankaj,

I've tried your code and seem it doesnt work for me.

There is error code, you can see it in the following : <https://www.scribd.com/doc/252024844/Error>

Currently I'm using Netbeans 8.0.1, Apache Tomcat 8.0.9.0, what should I do?

Thanks..

Regards,

Herry

[Reply](#)**chetan choudhary says**

DECEMBER 21, 2014 AT 2:14 AM

Hi,

I downloaded your code and imported it in my spring tool suite

Aim: what i am trying to do:

1. create a spring mvc project in STS by the ready made default template
2. trying Integrate hibernate with it so that i can integrate hibernate by my self without copying any ready made projects

Problem faced:

As per your pom file i have included the two hibernate dependencies, 1 apache dbcp dependency, 1 spring orm dependency

Now when i try to use annotations like @entity i get error because the javax.persistence is not present in my project.

in your downloaded project there is hibernate-jpa-2.1-api-1.0.0.Final-sources.jar in your maven dependencies library but not in pom file.

Did you add it externally? if yes then why not included in pom.

Please explain the significance of all jars in downloaded project and dependencies in pom and why some jars are present in maven dependencies but not in pom.xml

[Reply](#)

**kailas says**

DECEMBER 18, 2014 AT 2:21 AM

I have download this project and deployed it on Apache tomcat. It's run perfectly but my question is that no need to add mysql-connector-java jar.

Please answer me. Is there any support in any jar file which you had used in this demo?

[Reply](#)

**Pankaj says**

DECEMBER 18, 2014 AT 3:26 AM

Oviously it's needed for creating MySQLDB connection, i have this jar in server lib. So i dont need that in the project.

[Reply](#)

**Hamid says**

DECEMBER 14, 2014 AT 1:45 PM

DOESN'T FUNCTION. waste of time!!!

[Reply](#)

**Hamid says**

DECEMBER 14, 2014 AT 3:07 PM

with some changes, which i don't understand, it functioned. thanks anyway!!

[Reply](#)

**Shalom says**

DECEMBER 2, 2014 AT 9:34 AM

Hi,

I am newbie in spring, maven so sorry fir this basic question

I try to implement your solution but in my context.xml I got this error:

No setter found for property 'sessionFactory' in class ... when I define the DAO bean.

Same error with the service.

here a part of my context.xml

The little difference is that I externalized my DAO into a jar.

com.domitik.domitikCDB.model.Box

org.hibernate.dialect.MySQL5Dialect

true

the

When I try to run my application I got this exception:

8:50:54.309 [localhost-startStop-1] ERROR o.s.web.context.ContextLoader – Context initialization failed

org.springframework.beans.factory.BeanCreationException: Error creating bean with name

'boxControllers': Injection of autowired dependencies failed; nested exception is

org.springframework.beans.factory.BeanCreationException: Could not autowire field:

com.domitik.DomitikWS.services.BoxService

com.domitik.DomitikWS.controllers.BoxControllers.boxService; nested exception is

org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bean of type

[com.domitik.DomitikWS.services.BoxService] found for dependency: expected at least 1 bean which

qualifies as autowire candidate for this dependency. Dependency annotations:

[@org.springframework.beans.factory.annotation.Autowired(required=true)]

at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPost...

Thanks for your help

[Reply](#)

**Shalom says**

DECEMBER 2, 2014 AT 9:38 AM

Sorry some context.xml was truncated...

com.domitik.domitikCDB.model.Box

org.hibernate.dialect.MySQL5Dialect

true

the

[Reply](#)

**Daniel says**

NOVEMBER 28, 2014 AT 8:36 AM

You software does not respond anything, I have had a problem with error 404.

tomcat não acusa erro, mas não existe retorno da pagina.jsp.

[Reply](#)

**Daniel says**

NOVEMBER 28, 2014 AT 8:37 AM

tomcat does not accuse error, but there is no return of the.jsp page.

[Reply](#)

**Rikenson says**

NOVEMBER 27, 2014 AT 11:48 PM

What is the content of root-context.xml

[Reply](#)

**Den says**

NOVEMBER 25, 2014 AT 11:24 AM

Thank you very much for tutorial. Almost all right! But when I start project, i have an error 404  
No mapping found for HTTP request with URI [/SpringMVCHibernate/] in DispatcherServlet, if I write by  
hands address /persons all is work! where I need to look. (In servlet-context.xml i change nothing ).

[Reply](#)

**Den says**

FEBRUARY 9, 2015 AT 8:32 AM

Waiting for youre answer

[Reply](#)

**Pankaj says**

FEBRUARY 9, 2015 AT 11:03 AM

Sorry for late response, you need to understand URI. Since there is no home page defined, you  
get error if you go to web application home page. If you don't want, just put index.html or any  
other welcome-page in web.xml to avoid this.

[Reply](#)

**Hero says**

APRIL 14, 2015 AT 2:11 AM

How can be remove 404 error in detailed steps...

[Reply](#)

**vaibhav says**

JUNE 13, 2015 AT 10:56 PM

Hi guys,

I got the error in eclipse :

org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI  
[/spring/] in DispatcherServlet with name 'appServlet'

please help me how can resolve this problem.

Thanks

[Reply](#)

**Rohit says**

NOVEMBER 16, 2014 AT 12:28 PM

hi Pankaj,

Thanks for the wonderful tutorials!

I tried writing a SpringMVC-Hibernate application following this tutorial. Everything goes fine but i get an  
exception

org.hibernate.HibernateException: No Session found for current thread

when i try to do

Session session = this.sessionFactory.getCurrentSession(); in DAOImpl class

Execution goes fine without any exception if I replace it with

Session session = this.sessionFactory.openSession();

I see we are not creating any session in the tutorial. How are we getting a session?

Please explain.

thanks in advance.

-Rohit

[Reply](#)

**Pankaj says**

NOVEMBER 16, 2014 AT 9:41 PM

We are getting the session from Spring ORM, as configured below.

```
<beans:bean id="hibernate4AnnotatedSessionFactory"
```

```
class="org.springframework.orm.hibernate4.LocalSessionFactoryBean">
```

Check this class source and you might find something causing the issue.

What are the hibernate properties you are passing, is there any property named "thread"? Try removing that and check again.

[Reply](#)

**Suraj says**

NOVEMBER 6, 2014 AT 4:07 AM

When I do a maven build , I get the error :Fatal error compiling: tools.jar not found

Plz help

[Reply](#)

**Omunt says**

SEPTEMBER 24, 2015 AT 3:57 PM

I got the same problem also, it's because your eclipse is pointing to a JRE Java version not a JDK.

<http://stackoverflow.com/questions/25185634/maven-build-failed-fatal-error-compiling-tools-jar-not-found>

[Reply](#)

**Hemanth says**

OCTOBER 30, 2014 AT 1:48 AM

Hi pankaj,

To fix below error i added below dependency

```
org.hibernate.javax.persistence
```

```
hibernate-jpa-2.1-api
```

```
1.0.0.Draft-6
```

But still getting the same error

Caused by: java.lang.NoSuchMethodError: javax.persistence.Table.indexes()Ljava/lang/persistence/Index;

Please help.

[Reply](#)

**Pankaj says**

OCTOBER 30, 2014 AT 6:15 PM

What is your java version. The issue seems to be with incompatible versions.

[Reply](#)

**Mitesh Manani says**

NOVEMBER 2, 2014 AT 9:43 AM

Your Application Server is using JPA version 2.0 whereas you have built your application with JPA version 2.1. Thanks the problem.

[Reply](#)

**Hemanth says**

NOVEMBER 2, 2014 AT 10:06 AM

Hi Pankaj,

It's java version 1.7

[Reply](#)

**Hemanth says**

NOVEMBER 5, 2014 AT 2:32 AM

Hi Pankaj,

I am using java version 1.7

Please help

[Reply](#)

**vadym says**

FEBRUARY 9, 2015 AT 7:44 PM

in pom

4.2.8.Final

or earlier

[Reply](#)

**Hemanth says**

OCTOBER 30, 2014 AT 1:07 AM

Hi pankaj,

I am getting the below error

Caused by: java.lang.NoSuchMethodError: javax.persistence.Table.indexes()Ljava/lang/persistence/Index;

Please help.

[Reply](#)

**Sergey says**

OCTOBER 28, 2014 AT 12:06 PM

Hi, Pankaj.

Awesome tutorial, helps me a lot, but could you please explain one thing.

Why should we have "PersonService" interface, that in turn is exact copy of "PersonDAO"?

Why can't we just have "PersonServiceImpl" (with better name — "PersonService"). We already provide the layer of data access ("PersonDAO" and "PersonDAOImpl"), so why we need to create another redundant interface if we could use one class (in your case "PersonServiceImpl") that can invoke interface methods?

I hope, I've explained my point to you

[Reply](#)**Vipul says**

OCTOBER 22, 2014 AT 3:10 AM

I am getting following error, Pls anyone help me to resolve this..

org.springframework.beans.factory.xml.XmlBeanDefinitionStoreException: Line 14 in XML document from ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml] is invalid; nested exception is org.xml.sax.SAXParseException; lineNumber: 14; columnNumber: 23; cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'annotation-driven'.

[Reply](#)**Vipul says**

OCTOBER 22, 2014 AT 3:12 AM

And one more exception i have faced at the time of starting tomcat server..

org.springframework.beans.factory.xml.XmlBeanDefinitionStoreException: Line 18 in XML document from ServletContext resource [/WEB-INF/spring/appServlet/servlet-context.xml] is invalid; nested exception is org.xml.sax.SAXParseException; lineNumber: 18; columnNumber: 64; cvc-complex-type.2.4.c: The matching wildcard is strict, but no declaration can be found for element 'resources'.

[Reply](#)**Bikash says**

OCTOBER 20, 2014 AT 4:09 AM

Hi Pankaj, what is need of root-context.xml?

[Reply](#)**Abhi says**

OCTOBER 20, 2014 AT 3:41 AM

How about an example of Select queries with join conditions and more tables involved? basically a real time example would be ideal

thanks in advance

[Reply](#)**fix says**

OCTOBER 19, 2014 AT 11:37 AM

create

Why it not work?

Hbiernate not create a table (((

Work only by using sql script.

[Reply](#)**Manjula says**

APRIL 1, 2016 AT 4:54 AM

hi Fix,

I got the same problem.

You should add the following line to the hibernate properties in the Spring configuration(xml) file.

create

[Reply](#)

**Priya says**

OCTOBER 15, 2014 AT 4:37 PM

Pankaj, thanks for a wonderful and well explained article.

Is there a way we can have a query which can get us a Person using name field and using the same DAO method structure ??

[Reply](#)

**Sagar Mali says**

OCTOBER 14, 2014 AT 7:14 AM

Hi Pankaj,

Good Article.

Suppose here, i have another class "Address" and if i want to implement "one-to-many" relationship here with person has multiple addresses. Mean while adding person, i want to add multiple addresses on above html form , so please help me to implement changes in above files.

[Reply](#)

**sandeep k says**

OCTOBER 13, 2014 AT 5:10 AM

Hi Pankaj,

I am looking programmatically and declarative transaction management (for hibernate and spring) example. Can you describe in a blog if one transaction get failed second transaction automatic get reverted.

Thanks,

Sandeep

[Reply](#)

**Hemanth says**

OCTOBER 30, 2014 AT 2:58 AM

Hello Sundeep,

Look at the below link .

<http://dtr-trading.blogspot.in/2014/02/spring-mvc-4-and-hibernate-4.html>

[Reply](#)

**tammy says**

OCTOBER 9, 2014 AT 2:36 PM

Hello Pankaj,

I too am getting the same errors as kernelfreak. Please can you advise us on how to resolve these issues?

Many thanks.

[Reply](#)



**Marq W says**

OCTOBER 9, 2014 AT 11:31 AM

Worked flawlessly for me.

Thank you very much for taking the time to post this!

Marq

[Reply](#)**Alex says**

OCTOBER 9, 2014 AT 9:38 AM

Thanks for doing this tutorial. I'd agree with Murali's suggestion of an extra tutorial, showing changes to the controller and adding a second table to the model.

Regards

Alex

[Reply](#)**Gopalkrishna says**

SEPTEMBER 28, 2014 AT 12:06 PM

Hi,

Pankaj

i was facing problem even after changing all requirements like username and password created same database as u given in above example error is.

HTTP Status 500 – Request processing failed; nested exception is

org.springframework.transaction.CannotCreateTransactionException: Could not open Hibernate Session for transaction; nested exception is org.hibernate.exception.GenericJDBCException: Could not open connection.

please help me as soon as possible.

Thanks and Regards

Gopalkrishna

[Reply](#)**Pankaj says**

SEPTEMBER 28, 2014 AT 12:23 PM

You need to include the database driver, I have updated the post with this detail. You could also see the below comment from Aatif for the same.

[Reply](#)**Aatif says**

SEPTEMBER 16, 2014 AT 11:34 PM

I downloaded the project and successfully ran it after making a couple of bellow changes –

1. Import project in eclipse. (Any, i used eclipse)
2. Include MySql connector dependency in pom.xml file as it is missing there.

mysql

mysql-connector-java

5.1.32

3. Update Project Dependencies – RightClick On Project → Maven → Update
3. Change username and password properties in servlet-context.xml file according to yours.
4. Create DB with 'testdb' name.
5. Clean, compile and Install project by running bellow maven commands on the console.  
mvn clean compile, mvn install.
6. Run the project on tomcat server (You can use other server also but i have used tomcat.)
7. Application is ready at URL – <http://localhost:8080/SpringMVCHibernate/persons> Cheers!! ☐

[Reply](#)

**Pankaj says**

SEPTEMBER 17, 2014 AT 2:12 AM

Hi Aatif,

Thanks for the detailed comment, I missed adding MySQL Driver jar in project pom.xml file because it's part of my Tomcat lib directory. In most of the real life scenarios, we use JNDI DataSource configured in the container and for that we need to have driver jars in the container lib directory. I hope it clarifies the confusion for anyone else facing the similar issue, i will keep it in mind for future tutorials and include jars in pom.xml dependencies.

[Reply](#)

**Sandeep says**

NOVEMBER 3, 2015 AT 7:19 PM

Hello Aatif

I did everything that you said but still I am getting

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/spring/] in DispatcherServlet with name 'appServlet'

[Reply](#)

**Lokesh Kumar says**

SEPTEMBER 16, 2014 AT 4:29 AM

I'm run this program on NetBeans IDE 8.0 , Whenever run this program problem is occurring like this:

Severe: Exception while loading the app

Severe: Undeployment failed for context /EMD

Severe: Exception while loading the app : java.lang.IllegalStateException: ContainerBase.addChild: start:

org.apache.catalina.LifecycleException: org.apache.catalina.LifecycleException:

org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bean of type

[com.jindal.emd.model.Person] found for dependency: expected at least 1 bean which qualifies as

autowire candidate for this dependency. Dependency annotations:

{@org.springframework.web.bind.annotation.ModelAttribute(value=person)}

[Reply](#)

**Rizwan Mursaleen says**

SEPTEMBER 15, 2014 AT 9:40 PM

I think you have forgot to include root-context.xml, if not, How to write root-context.xml

[Reply](#)

**Pankaj says**

SEPTEMBER 15, 2014 AT 9:46 PM

Download the project, for some files where we don't have anything Spring specific, I might have excluded them.

[Reply](#)

#### Santosh Shingare says

SEPTEMBER 14, 2014 AT 11:24 PM

Hi,Pankaj,

I am getting this one, when web page is loaded.

HTTP Status 404 –

type Status report

message

description The requested resource is not available.

Apache Tomcat/7.0.55

WARN : org.springframework.web.servlet.PageNotFound – No mapping found for HTTP request with URI [/spring/] in DispatcherServlet with name 'appServlet'

..... Web.xml .....

contextConfigLocation

/WEB-INF/spring/root-context.xml

org.springframework.web.context.ContextLoaderListener

appServlet

org.springframework.web.servlet.DispatcherServlet

contextConfigLocation

/WEB-INF/spring/appServlet/servlet-context.xml

1

appServlet

/

[Reply](#)

#### John Tsun says

SEPTEMBER 14, 2014 AT 9:22 PM

I got errors when trying to run it:

org.springframework.beans.factory.BeanDefinitionStoreException: IOException parsing XML document from ServletContext resource [/WEB-INF/applicationContext.xml]; nested exception is

java.io.FileNotFoundException: Could not open ServletContext resource [/WEB-INF/applicationContext.xml]

at

... ..

Caused by: java.io.FileNotFoundException: Could not open ServletContext resource [/WEB-INF/applicationContext.xml]

do we need applicationContext.xml file?

[Reply](#)

#### Kernelfreak says

SEPTEMBER 8, 2014 AT 5:29 AM

I am getting the following error when i am using your code in Eclipse.

java.lang.ClassNotFoundException: com.journaldev.spring.dao.PersonDAOImpl

java.lang.ClassNotFoundException: com.journaldev.spring.service.PersonServiceImpl

[Reply](#)**happin\_boy says**

SEPTEMBER 2, 2014 AT 8:10 PM

how to deploy the project? should I create a new meaven project and move all your files to run? waiting for your response!

[Reply](#)**Pankaj says**

SEPTEMBER 2, 2014 AT 8:47 PM

Just build the project using Maven command "mvn clean install" or use your IDE to export as WAR file and deploy in the container, here I am using tomcat.

[Reply](#)**Naveen says**

APRIL 17, 2015 AT 2:10 AM

I have configured this project in eclipse. For running i am following:

Run As -> Maven Build :: clean install

But build failing with below error:

"Failed to execute goal org.apache.maven.plugins:maven-war-plugin:2.2:war (default-war) on project SpringHibernateWeb: Error assembling WAR: webxml attribute is required (or pre-existing WEB-INF/web.xml if executing in update mode) -> [Help 1]"

I have web.xml at required place.

Can you please advise as what I am missing?

[Reply](#)**Murali says**

AUGUST 26, 2014 AT 10:16 AM

Hi pankaj,

can you post an example to edit multiple records at one shot and save it to database using spring mvc and hibernate.

[Reply](#)**Pankaj says**

AUGUST 26, 2014 AT 11:24 AM

Why another example, you can extend this one to update multiple records in one go. All you need is small UI changes and Hibernate business logic changes to update multiple records.

[Reply](#)**chitra says**

AUGUST 12, 2014 AT 1:00 AM

Hi pankaj,

Can you please help me. i am using the above code but i shows this  
HTTP Status 500 – Servlet.init() for servlet appServlet threw exception and i don't know why i got this error.

[Reply](#)

**Asis says**

JULY 24, 2014 AT 10:54 PM

can u plz draw the flow of the class digram as per the Spring MVC Hibernate MySQL Integration CRUD Example Tutorial ,

i am not able to understand how each of the calsses are connected to each other mainly service layer  
plz help me asap

[Reply](#)

**micheal says**

JULY 27, 2014 AT 9:09 PM

Are you able to execute the above code?

[Reply](#)

**john says**

JULY 22, 2014 AT 10:45 PM

please look into this

ERROR [org.springframework.web.servlet.DispatcherServlet] (MSC service thread 1-4) Context  
initialization failed: org.springframework.beans.factory.BeanCreationException: Error creating bean with  
name 'hibernate4AnnotatedSessionFactory' defined in ServletContext resource [/WEB-  
INF/spring/appServlet/servlet-context.xml]: Invocation of init method failed; nested exception is  
java.lang.NoClassDefFoundError: javax/persistence/NamedStoredProcedureQuery

[Reply](#)

**Anas says**

APRIL 7, 2015 AT 5:12 AM

Please help !! I got this error :

Error An error has occurred

Exception while loading the app : java.lang.Exception: java.lang.IllegalStateException:

ContainerBase.addChild: start: org.apache.catalina.LifecycleException:

org.apache.catalina.LifecycleException: java.lang.ClassNotFoundException:

com.journaldev.spring.dao.PersonDAOImpl

[Reply](#)

**john says**

JULY 22, 2014 AT 9:51 PM

Thanks for your reply pankaj,

after adding

in standalone.xml jboss waringin was suppressed but now i have another problem.

Context initialization failed: org.springframework.beans.factory.BeanCreationException: Error creating  
bean with name 'hibernate4AnnotatedSessionFactory' defined in ServletContext resource [/WEB-

INF/spring/appServlet/servlet-context.xml]: Invocation of init method failed; nested exception is java.lang.NoSuchMethodError: javax.persistence.Table.indexes()Ljava/lang/persistence/Index; i googled and added asm.jar and cglib-nodep-2.1\_3.jar but no use.  
please help  
thanks in advance  
[Reply](#)

**John says**

JULY 21, 2014 AT 3:11 AM

I downloaded the project and deployed on jboss, not able to execute, please help

[Reply](#)

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