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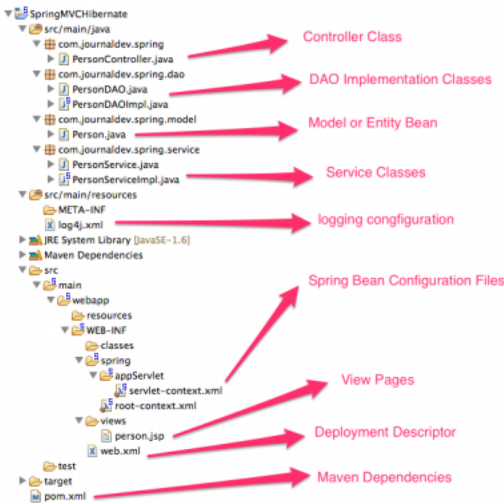
Note that I am using Spring 4.0.3.Release and Hibernate 4.3.5.Final versions for our example, same program is also compatible for Spring 4 and Hibernate 3, however you need to make small changes in spring bean configuration file discussed in the last tutorial.

Table of Contents [hide]

Maven Dependencies

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

```xml
<?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
<?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.

```java
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.

```sql
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.

```java
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.

```java
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){
```

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.

```java
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);

}
```

```java
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.

```java
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.

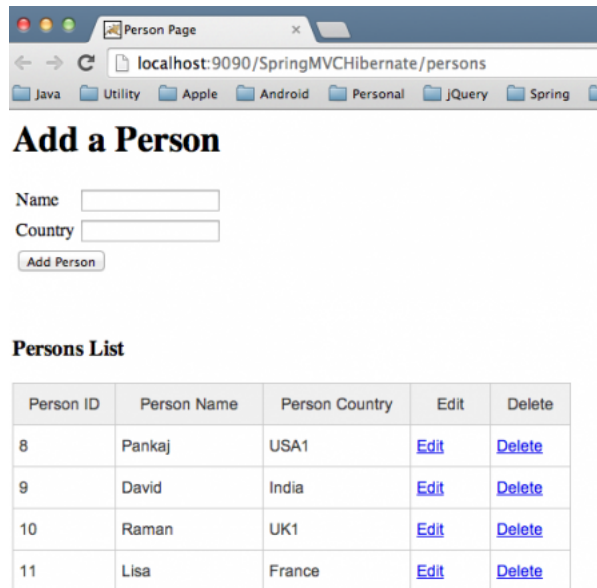**Recommended Read**: Spring AOP and Spring Transaction Management

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.
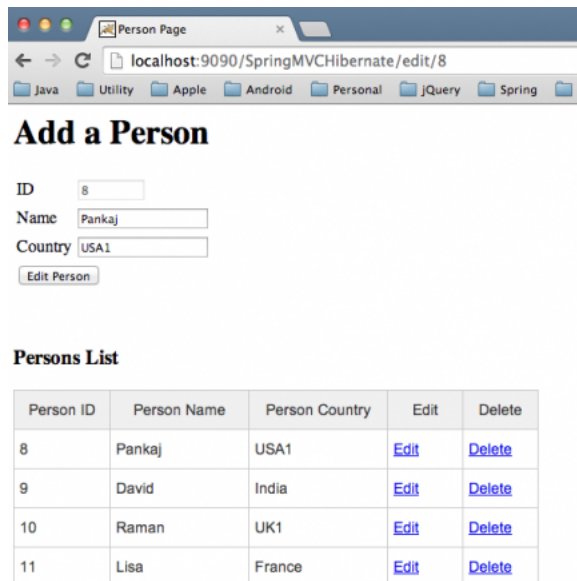
Add a Person

Name

Country

Add Person

Persons List

Person ID	Person Name	Person Country	Edit	Delete
8	Pankaj	USA1	Edit	Delete
9	David	India	Edit	Delete
10	Raman	UK1	Edit	Delete
11	Lisa	France	Edit	Delete

Add a Person

ID   8

Name   Pankaj

Country USA1

Edit Person

Persons List

Person ID	Person Name	Person Country	Edit	Delete
8	Pankaj	USA1	Edit	Delete
9	David	India	Edit	Delete
10	Raman	UK1	Edit	Delete
11	Lisa	France	Edit	Delete

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 releated 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:19

org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getName(AbstractDataBoundFormElementTag.java:159)

org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.autogenerateId(AbstractDataBoundFormElementTag.java:144

org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.resolveId(AbstractDataBoundFormElementTag.java:134)

org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.writeDefaultAttributes(AbstractDataBoundFormElementTag.j

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_002dlNF.view.customer_002dform_jsp._jspx_meth_form_005finput_005f0(customer_002dform_jsp.java:286)

org.apache.jsp.WEB_002dlNF.view.customer_002dform_jsp._jspx_meth_form_005fform_005f0(customer_002dform_jsp.java:203)

org.apache.jsp.WEB_002dlNF.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)

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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

manoranjan 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 tuturial , but my question is i want to integrate a basic authentification 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 DAOiml 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 Panjak,

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 begginers. 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 "PersonServiceAImpl"
>
> 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 erro coming

Reply

Gulab says
APRIL 13, 2017 AT 5:27 AM

Create Setter Method for "PersonDAO" in "PersonServiceAImpl"

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 versyonlarını koysan olmazmı. İnanki çok zaman kaybediyoruz. Bunca emek harcıyorsunuz. Sizede yazık bizede 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 ögretmek 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

Eknath 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.hibernaWARN : 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(AbstractApplicationCont
  [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\easyplussdk\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.jav

        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 disptcuter-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 msql-connector 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 specifc time zone value if you want to utilize time zone support.
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:695)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:663)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:653)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:638)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:606)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.java:624)
        com.mysql.cj.jdbc.exceptions.SQLError.createSQLException(SQLError.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.jav


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


org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnectionFromDriver(AbstractDriverBasedDataSourc


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

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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 specifc 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)
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        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 ariticial

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/springwork/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

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

Hi all,

i am geting 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(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: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.LifecyleInterceptorInvocation.proceed(LifecyleInterceptorInvocation.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
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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)

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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

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

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

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

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


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


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


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

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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)

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

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        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)


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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(AbstractAutowireCapable



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(AbstractApplicationCont

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(AbstractApplicationCont

        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.ja

        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
> updade,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.Oracle9iDialect, 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

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.invoke0(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

Hi Pankaj,

It was a great article….. mysql connector dependency is missing in ur pom.xml ……..

Reply

serban says

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 realy good to undersstand 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 sfl4j 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.persistance 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 progect, 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()[Ljavax/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()[Ljavax/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 occuring 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 a 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()[Ljavax/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

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- Spring Transaction
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- Spring Boot Initilizr CLI
- Spring Boot Initilizr Tools
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- Spring Boot Redis Cache
- Spring Boot Interview Questions

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- Spring Batch Example

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