

# Spring MVC Hibernate MySQL Integration CRUD Example Tutorial

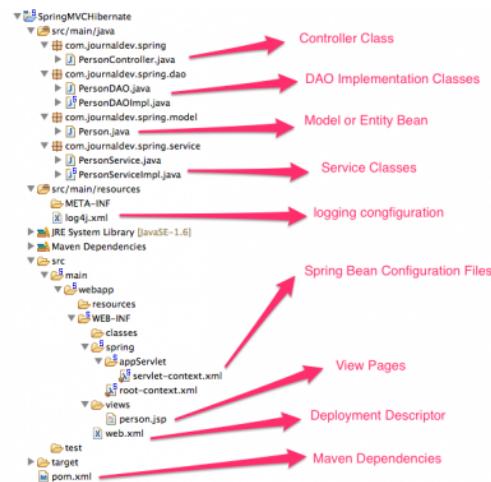
Filed Under: Hibernate

Pankaj - 381 Comments

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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, the same program is also compatible for Spring 4 and Hibernate 3, however you need to make small changes in spring bean configuration file discussed in the last tutorial.

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

```
<exclusion>
    <gro
        <art
            </exclusion>
</exclusions>
<scope>runtime</scop
</dependency>

<!-- @Inject -->
<dependency>
    <groupId>javax.inject
    <artifactId>javax.in
    <version>1</version>
</dependency>

<!-- Servlet -->
<dependency>
    <groupId>javax.servlet
    <artifactId>servlet-
    <version>2.5</versio
    <scope>provided</sco
</dependency>
<dependency>
    <groupId>javax.servlet
    <artifactId>jsp-api<
    <version>2.1</versio
    <scope>provided</sco
</dependency>
<dependency>
    <groupId>javax.servlet
    <artifactId>jstl</ar
```

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

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.5" xmlns="http://java.su
    xmlns:xsi="http://www.w3.org/2001/XM
```

```

<context-param>
    <param-name>contextConfigLoc
    <param-value>/WEB-INF/spring
</context-param>

<!-- Creates the Spring Container sh
<listener>
    <listener-class>org.springframework.
</listener>

<!-- Processes application requests
<servlet>
    <servlet-name>appServlet</se
    <servlet-class>org.springfra
    <init-param>
        <param-name>contextC
        <param-value>/WEB-IN
    </init-param>
    <load-on-startup>1</load-on-
</servlet>

<servlet-mapping>
    <servlet-name>appServlet</s

```

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

## Hibernate Entity Bean

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

```

package com.journaldev.spring.model;

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

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

    @Id
    @Column(name="id")
    @GeneratedValue(strategy=GenerationT
    private int id;

    private String name;

    private String country;

    public int getId() {

```

and “country” fields with `@Column` annotation because they are of the same name. Below SQL script shows the table details.

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

## Hibernate DAO Implementation

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

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

import java.util.List;

import com.journaldev.spring.model.Person;

public interface PersonDAO {

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

Hibernate-specific DAO implementation looks like below.

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

import java.util.List;

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

import com.journaldev.spring.model.Person;

@Repository
public class PersonDAOImpl implements PersonDAO {

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

    private SessionFactory sessionFactory;

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

    @Override
    public void addPerson(Person p) {
        Session session = this.sessionFactory.openSession();
        session.persist(p);
    }
}
```

is because it will be taken care by Spring framework.

## Spring Service Classes

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

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

import java.util.List;

import com.journaldev.spring.model.Person;

public interface PersonService {

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

}
```

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

import java.util.List;

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

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

@Service
public class PersonServiceImpl implements Pe

    private PersonDAO personDAO;

    public void setPersonDAO(PersonDAO p
        this.personDAO = personDAO;
    }

    @Override
    @Transactional
    public void addPerson(Person p) {
        this.personDAO.addPerson(p);
    }

    @Override
    @Transactional
    public void updatePerson(Person p) {
        this.personDAO.updatePerson(
```

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 uses service classes to perform

```
package com.journaldev.spring;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.*;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RestController;

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) {
        this.personService = ps;
    }

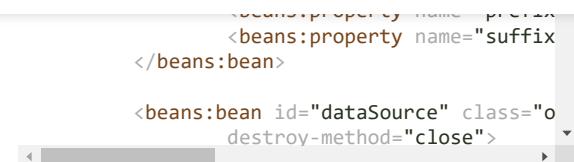
    @RequestMapping(value = "/persons", method = RequestMethod.GET)
    public String listPersons(Model model) {
        model.addAttribute("person", new Person());
        model.addAttribute("listPersons", true);
        return "listPersons";
    }
}
```

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 the servlet-context.xml file.



**dataSource** bean is defined for

org.apache.commons.dbcp.BasicDataSource class  
for basic connection pooling.

org.springframework.orm.hibernate4.LocalSession  
FactoryBean bean is used for Hibernate 4  
SessionFactory. For Hibernate 3, you will find similar  
classes as

org.springframework.orm.hibernate3.LocalSession  
FactoryBean and  
org.springframework.orm.hibernate3.AnnotationSe  
ssionFactoryBean .

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 ,  
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.HibernateTra  
nsactionManager is required for Spring ORM to  
support hibernate session transaction management.  
For Hibernate 3, you will find similar class as  
org.springframework.orm.hibernate3.HibernateTra  
nsactionManager . 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 the 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.



```

<body>
    <h1>
        Add a Person
    </h1>

    <c:url var="addAction" value="/person/add" />

    <form:form action="${addAction}" commandName="person">
        <table>
            <c:if test="${!empty person.name}">
                <tr>
                    <td>
                        <form:label path="id" />
                        <spring:message key="label.id" />
                    </td>
                    <td>
                        <form:input path="id" />
                        <spring:message key="label.id.message" />
                    </td>
                </tr>
            </c:if>
            <tr>
                <td>
                    <form:label path="name" />
                    <spring:message key="label.name" />
                </td>
                <td>
                    <form:input path="name" />
                    <spring:message key="label.name.message" />
                </td>
            </tr>
            <tr>
                <td>
                    <form:label path="country" />
                    <spring:message key="label.country" />
                </td>
                <td>
                    <form:input path="country" />
                    <spring:message key="label.country.message" />
                </td>
            </tr>
            <tr>
                <td colspan="2" style="text-align: center;">
                    <input type="submit" value="Add Person" />
                </td>
            </tr>
        </table>
    </form:form>

```

## 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.

Name

Country

### Persons List

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

ID

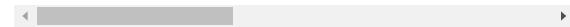
Name

Country

### Persons List

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

```
Hibernate: insert into PERSON (country, name)
INFO : com.journaldev.spring.dao.PersonDAOImpl
Hibernate: select person0_.id as id1_0_, perso
INFO : com.journaldev.spring.dao.PersonDAOImpl
INFO : com.journaldev.spring.dao.PersonDAOImpl
INFO : com.journaldev.spring.dao.PersonDAOImpl
```



## 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 the final project from below link and play around with it.

[Download Spring MVC Hibernate Integration Project](#)

You can also checkout the project from our [GitHub Repository](#).

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

PREV

Struts2 Hibernate Integration Example Tutorial

NEXT

### Pankaj



I love Open Source technologies and writing about my experience about them is my passion.

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## Comments

Gopalakrishnan T says: October 23, 2019 at 12:24 am

**saera says:** October 17, 2019 at 12:32 am

Hi,

Did anyone face the issue : Multiple annotations found at this line: The referenced file contains error in servlet-context.xml?

[Reply](#)

**Nilesh says:** September 22, 2019 at 8:47 pm

Error : 404 with warning

```
INFO: Server startup in [15,727]
milliseconds
WARN :
org.springframework.web.servlet.PageNotFound - No mapping found for HTTP request
with URI [/SpringMVCHibernate/] in
DispatcherServlet with name 'appServlet'
```

[Reply](#)

**Suneth says:** September 11, 2019 at 5:58 am

It worked after some changes, Thanks for  
the example.

[Reply](#)

**Yash Patel says:** October 9, 2019 at 10:36 pm

can you send me this projects on my  
email id :- yashp497@gmail.com

[Reply](#)

**Saurav says:** June 28, 2019 at 4:52 am

Hey Guys, the example is running absolutely  
fine doesn't have any errors just you have to  
make few changes before running it. The  
changes are:

Edit username and password for the  
database as per yours in the configuration  
file.

add an update or else you may get  
SQLGrammar exception

and just run the program see to it path will  
be

<http://localhost:8888/SpringMVCHibernate/persons>

[Reply](#)

**srinath says:** June 12, 2019 at 1:19 am

HTTP Status 404 - Not Found

Type Status Report

Message /SpringMVCHibernate/WEB-INF/views/person.jsp

one exists.

Apache Tomcat/9.0.20

in console: INFO: Server startup in [9,904] milliseconds

Hibernate: select person0\_.id as id1\_0\_, person0\_.country as country2\_0\_, person0\_.name as name3\_0\_ from PERSON person0\_

i am getting 404 error but without error can you please tell me what is the problem [Reply](#)

srinath says:

June 12, 2019 at 4:37 am

i found the mistake in controller listPersons() method we are return person(change to Person) if any body got this problem it will help [Reply](#)

jim says:

June 11, 2019 at 4:51 am

Thank you, Pankaj for the article. It was easy to get through.

I get this error while adding a new person

HTTP Status 500 – Internal Server Error

Type Exception Report

Message Request processing failed; nested exception is org.springframework.orm.hibernate4.HibernateOptimisticLockingFailureException:

Batch update returned unexpected row count from update [0]; actual row count: 0; expected: 1; nested exception is org.hibernate.StaleStateException: Batch update returned unexpected row count from update [0]; actual row count: 0; expected: 1

Description The server encountered an unexpected condition that prevented it from fulfilling the request.

Exception

org.springframework.web.util.NestedServletException: Request processing failed; nested exception is org.springframework.orm.hibernate4.HibernateOptimisticLockingFailureException:

Batch update returned unexpected row count from update [0]; actual row count: 0; expected: 1; nested exception is org.hibernate.StaleStateException: Batch update returned unexpected row count from update [0]; actual row count: 0; expected: 1

```
org.springframework.web.servlet.Framework
Servlet.doPost(FrameworkServlet.java:863)
javax.servlet.http.HttpServlet.service(HttpSe
rvlet.java:661)
org.springframework.web.servlet.Framework
Servlet.service(FrameworkServlet.java:837)
javax.servlet.http.HttpServlet.service(HttpSe
rvlet.java:742)
org.apache.tomcat.websocket.server.WsFilte
r.doFilter(WsFilter.java:52)

Root Cause

org.springframework.orm.hibernate4.Hibern
ateOptimisticLockingFailureException:
Batch update returned unexpected row
count from update [0]; actual row count: 0;
expected: 1; nested exception is
org.hibernate.StaleStateException: Batch
update returned unexpected row count
from update [0]; actual row count: 0;
expected: 1
org.springframework.orm.hibernate4.Sessio
nFactoryUtils.convertHibernateAccessException(SessionFactoryUtils.java:203)
org.springframework.orm.hibernate4.Hibern
ateTransactionManager.convertHibernateAc
cessException(HibernateTransactionManage
r.java:681)
org.springframework.orm.hibernate4.Hibern
ateTransactionManager.doCommit(Hibernate
TransactionManager.java:563)
org.springframework.transaction.support.Ab
stractPlatformTransactionManager.processC
ommit(AbsractPlatformTransactionManager
.java:757)
org.springframework.transaction.support.Ab
stractPlatformTransactionManager.commit(A
bstractPlatformTransactionManager.java:726
)
org.springframework.transaction.interceptor.
TransactionAspectSupport.commitTransacti
onAfterReturning(TransactionAspectSuppor
t.java:478)
org.springframework.transaction.interceptor.
TransactionAspectSupport.invokeWithinTran
saction(TransactionAspectSupport.java:272)
org.springframework.transaction.interceptor.
TransactionInterceptor.invoke(TransactionIn
terceptor.java:95)
org.springframework.aop.framework.Reflecti
veMethodInvocation.proceed(ReflectiveMet
hodInvocation.java:179)
org.springframework.aop.framework.JdkDy
namicAopProxy.invoke(JdkDynamicAopProx
y.java:207)
com.sun.proxy.$Proxy26.updateBook(Unkno
wn Source)
com.app.book.controller.BookController.add
```

```
sun.reflect.NativeMethodAccessorImpl.invoke  
ke(Unknown Source)  
sun.reflect.DelegatingMethodAccessorImpl.i  
nvoke(Unknown Source)  
java.lang.reflect.Method.invoke(Unknown  
Source)  
org.springframework.web.method.support.In  
vocableHandlerMethod.invoke(InvocableHa  
ndlerMethod.java:215)  
org.springframework.web.method.support.In  
vocableHandlerMethod.invokeForRequest(I  
nvocableHandlerMethod.java:132)  
org.springframework.web.servlet.mvc.metho  
d.annotation.ServletInvocableHandlerMetho  
d.invokeAndHandle(ServletInvocableHandle  
rMethod.java:104)  
org.springframework.web.servlet.mvc.metho  
d.annotation.RequestMappingHandlerAdapt  
er.invokeHandleMethod(RequestMappingHa  
ndlerAdapter.java:749)  
org.springframework.web.servlet.mvc.metho  
d.annotation.RequestMappingHandlerAdapt  
er.handleInternal(RequestMappingHandlerA  
dapter.java:689)  
org.springframework.web.servlet.mvc.metho  
d.AbstractHandlerMethodAdapter.handle(A  
bstractHandlerMethodAdapter.java:83)  
org.springframework.web.servlet.Dispatcher  
Servlet.doDispatch(DispatcherServlet.java:9  
38)  
org.springframework.web.servlet.Dispatcher  
Servlet.doService(DispatcherServlet.java:87  
0)  
org.springframework.web.servlet.Framework  
Servlet.processRequest(FrameworkServlet.j  
ava:961)  
org.springframework.web.servlet.Framework  
Servlet.doPost(FrameworkServlet.java:863)  
javax.servlet.http.HttpServlet.service(HttpSe  
rvlet.java:661)  
org.springframework.web.servlet.Framework  
Servlet.service(FrameworkServlet.java:837)  
javax.servlet.http.HttpServlet.service(HttpSe  
rvlet.java:742)  
org.apache.tomcat.websocket.server.WsFilte  
r.doFilter(WsFilter.java:52)
```

[Reply](#)**Raj says:**

April 22, 2019 at 8:29 pm

I have downloaded above project and deploy it after that when we run it as server we get below error

WARN :

org.springframework.web.servlet.PageNotFo  
und - No mapping found for HTTP request  
with URI [/SpringMVCHibernate/] in  
DispatcherServlet with name 'appServlet'

Jeremy. T. Kingsbury says:April 10, 2019 at 3:41 am  
There are too many comments on this page.  
Also, I'm testing the email authentication  
process.

[Reply](#)

ShivaPrasad says:March 4, 2019 at 1:43 am  
2 errors are showing up on running the  
project which results in  
ClassNotFoundException and driver not  
found .To resolve below are to be added in  
the project  
1.PersonDAO is to be autowired in the  
PersonServiceImpl  
2.mysql driver dependancy is to be added  
in the POM .xml

[Reply](#)

Nitin Rathod says:February 3, 2019 at 10:19 pm  
Why PersonDao and SessionFactory  
objects are not autowired and how there  
objects are being injected.

[Reply](#)

Anupam Kumar Thakur says:January 31, 2019 at 2:39 am  
Hi Pankaj  
I have configured project. But how to run  
this project on tomcat. When I do MVN  
Build it's show an error.  
[INFO]

---

-----  
-----  
[ERROR] No goals have been specified for  
this build. You must specify a valid lifecycle  
phase or a goal in the format : or :[:].  
Available lifecycle phases are: validate,  
initialize, generate-sources, process-  
sources, generate-resources, process-  
resources, compile, process-classes,  
generate-test-sources, process-test-  
sources, generate-test-resources, process-  
test-resources, test-compile, process-test-  
classes, test, prepare-package, package,  
pre-integration-test, integration-test, post-  
integration-test, verify, install, deploy, pre-  
clean, clean, post-clean, pre-site, site, post-  
site, site-deploy. -> [Help 1]

[ERROR]

[ERROR] To see the full stack trace of the  
errors, re-run Maven with the -e switch.

[ERROR] Re-run Maven using the -X switch  
to enable full debug logging.

[ERROR]

[ERROR] For more information about the

<http://cwiki.apache.org/confluence/display/MAVEN/NoGoalSpecifiedException>    [Reply](#)

Ravinder says: December 28, 2018 at 1:36 am

Tutorial was excellent but where the log messages are printed

[Reply](#)

Akshay says: November 17, 2018 at 11:00 pm

How can i get json response in the same code?

[Reply](#)

Michal H says: November 14, 2018 at 8:56 am

Why don't you use EntityManager?

[Reply](#)



Aishwarya says: November 5, 2018 at 3:50 am

How should i connect it to mysql. Do I need to create tables there. Please let me know the whole procedure

[Reply](#)



av says: December 17, 2018 at 3:14 am

yes you have to create table first in database as mentioned above

[Reply](#)

Mangesh says: October 12, 2018 at 5:10 am

Hi Pankaj,

Getting this issue not able resolved can you please help me

ERROR:

```
org.hibernate.engine.jdbc.spi.SqlExceptionHelper - Cannot create PoolableConnectionFactory (Could not create connection to database server.)
```

```
Servlet.service() for servlet [appServlet] in context with path [/SpringMVCHibernate] threw exception [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] with root cause
```

[Reply](#)

herbert says: October 10, 2018 at 12:51 am

**Shyam J** says:      October 4, 2018 at 4:29 am

I am getting this error,please help me.I checked everything & it seems all ok.

HTTP Status 404 – Not Found

Type Status Report

Description The origin server did not find a current representation for the target resource or is not willing to disclose that one exists.

Apache Tomcat/8.5.34

[Reply](#)



**Pankaj** says:      October 4, 2018 at 4:37 am

Debugging Steps:

1. What is the URL you are hitting?
2. What is the WAR file name deployed on the tomcat server?
3. Check server logs to see if there are any errors in deployment?

[Reply](#)

**Sergei** says:      January 6, 2019 at 6:14 am

1 Check your log  
 2 Did you create Data Base? if you didnt do that create "TestDB" in Mysql and you need to correct servlet-context.  
 3 correct like this  
 @RequestMapping(value = "/persons", method = RequestMethod.GET)  
 4 add in pom.xml this dependency  
 mysql  
 mysql-connector-java  
 5.1.6  
 5 if it didnt deploy check your log if it is hibernate You need to add property in servlet-context  
 update

[Reply](#)

**BalaKrishna** says:   September 10, 2018 at 11:45 pm

Hi Pankaj,  
 There are so many issues in the project attached,  
 Please recorrect it if you can or delete the post.  
 Please dont test the patience of those who run this project.  
 Regards,  
 Balu

[Reply](#)

First of all, the project runs fine. As a proof, you can see that I have provided images of the sample execution of the application.

Now coming to your point that there are various errors in the project, have you ever thought that it might be because of some changes made by you in the project, or in your MySQL DB or server instance or your java environment?

What did you try to fix the issue? Just saying that you are getting issue will not help anyone.

The project is hosted on GitHub, you are more than welcome to Fork it and fix any issues you find and submit a PR if you really want to help everyone.

[Reply](#)

**GOVIND** says: August 30, 2018 at 2:34 am

Thanks to you and simple explanation

[Reply](#)

**Udhaya Prakash M** says: August 16, 2018 at 10:39 pm

It works fine. Now I want to add some operations as I need. In a similar way, I create controller, services, dao and model. But I don't know how to define it beans and call. How to achieve this.

[Reply](#)

**balakrishna** says: August 16, 2018 at 3:01 am

working without any issues, Thanks

[Reply](#)

**Erick García** says: August 9, 2018 at 10:00 am

Thank you very much Pankaj, I am new to this topic and your example is very useful.

I greet you from Mexico

[Reply](#)

**prafull** says: July 31, 2018 at 9:27 am

For 404 not found error

try this

```
@RequestMapping(value = {" /persons" "/" })
method = RequestMethod.GET)
and please add database connector jar file
according to your database, change the
servlet-context.xml file according to that.
```

it will work fine

[Reply](#)

elper - Cannot create  
 PoolableConnectionFactory  
 (CLIENT\_PLUGIN\_AUTH is required)    [Reply](#)

**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 are not visible. I am getting two buttons with a table. Is it related to jars in the pom? Please 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`

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.service(JspFile(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)

bean name 'command' available as request attribute  
org.springframework.web.servlet.support.Bi  
ndStatus.(BindStatus.java:153)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.getBin  
dStatus(AbstractDataBoundFormElementTa  
g.java:173)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.getPropertyPath(AbstractDataBoundFormElement  
Tag.java:193)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.getName(AbstractDataBoundFormElementTag.jav  
a:159)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.autoge  
nerateId(AbstractDataBoundFormElementTa  
g.java:144)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.resolve  
Id(AbstractDataBoundFormElementTag.java:  
134)  
org.springframework.web.servlet.tags.form.  
AbstractDataBoundFormElementTag.writeD  
efaultAttributes(AbstractDataBoundFormEle  
mentTag.java:117)  
org.springframework.web.servlet.tags.form.  
AbstractHtmlElementTag.writeDefaultAttribu  
tes(AbstractHtmlElementTag.java:422)  
org.springframework.web.servlet.tags.form.I  
nputTag.writeTagContent(InputTag.java:345)  
org.springframework.web.servlet.tags.form.  
AbstractFormTag.doStartTagInternal(ABstra  
tFormTag.java:86)  
org.springframework.web.servlet.tags.Reque  
stContextAwareTag.doStartTag(RequestCont  
extAwareTag.java:83)  
org.apache.jsp.WEB\_002dINF.view.customer  
\_002dform\_jsp.\_jspx\_meth\_form\_005finput  
005f0(customer\_002dform\_jsp.java:286)  
org.apache.jsp.WEB\_002dINF.view.customer  
\_002dform\_jsp.\_jspx\_meth\_form\_005fform\_0  
05f0(customer\_002dform\_jsp.java:203)  
org.apache.jsp.WEB\_002dINF.view.customer  
\_002dform\_jsp.\_jspService(customer\_002df  
orm\_jsp.java:147)  
org.apache.jasper.runtime.HttpJspBase.serv  
ice(HttpJspBase.java:70)  
javax.servlet.http.HttpServlet.service(HttpSe  
rvlet.java:741)  
org.apache.jasper.servlet.JspServletWrappe  
r.service(JspServletWrapper.java:444)  
org.apache.jasper.servlet.JspServlet.service  
JspFile(JspServlet.java:386)  
org.apache.jasper.servlet.JspServlet.service  
(JspServlet.java:330)

```
r.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)
```

[Reply](#)

**Sanjay** says: January 4, 2019 at 1:59 am  
is this problem solved or not? I am getting same

[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
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.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](#)

**mhmmdsw** says: January 19, 2018 at 3:06 am

hello , thanks to our tutorial , but my question is i want to integrate a basic authentication to this example with mysql database using person table with field user and password , my problem is i want integrate a ValidUser methode to te DAOimpl in order to count a user with hibernate

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

HTTP Status 404  
 type Status report  
 message  
 description The requested resource is not available.  
 Apache Tomcat/7.0.47

[Reply](#)

**Dattatray Dethé** 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 [\Spring \servlet-context.xml:63] advise type [after] advise [org.springframework.transaction.interceptor.TransactionInterc 'org.springframework.web.servlet.view.InternalResourceViewResolver#SpringMVCHibernate#src/main/webapp/WEB-INF/spri [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
org.hibernate.exception.SQLGrammarException: could not extract ResultSet
    org.hibernate.exception.internal.SQLExceptionConversionDelegate.convert(SQLExceptionConversionDelegate.java:123)
    org.hibernate.exception.internal.StandardSQLExceptionConverter.convert(StandardSQLExceptionConverter.java:4
    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,

**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.PageNotFo  
und - 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

[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  
at org.springframework.beans.factory.support.AbstractBeanFactory.resolveBeanClass(AbstractBeanFactory.java:  
at

[Reply](#)

**Gulab says:** April 13, 2017 at 5:24 am

Create Setter Method for "PersonDAO"  
in "PersonServiceAlmpl"

[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.
```

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 "PersonServiceAlmpl"

[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 çalışıramadım.  
 Nedenini araştırıyorum her türlü deneme yapıyorum ama çalışmıyor. Bu projelerin güncel versyonlarını koysan olmazmı. İnankı

[Reply](#)

**ismail fedakar** says: December 26, 2016 at 1:15 pm

Merhaba pankaj.  
Ne yaptysam 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 anlamla kardeşim buradan indirdiğim projelerin nerdeyse hiç biri çalışmıyor.  
Kolay Gelsin.

[Reply](#)

**Ismail Sen Cilginsin** says: January 5, 2018 at 2:38 am

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

[Reply](#)

**vowovrz** says: December 15, 2016 at 10:27 pm

1. In web.xml:  
characterEncodingFilter  
org.springframework.web.filter.CharacterEn  
codingFilter  
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

```

    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' defined in file [C:\Users\omar\IdeaProjects\SpringMVC\src\main\java\com\journaldev\controller\TravelHelperController.class]: Unsatisfied dependency expressed through field 'userProfileService'. Expected type is com.journaldev.service.UserProfileService but found null. Caused by: org.springframework.beans.factory.AutowireByNameFailedException: Failed to autowire by name [userProfileService] for bean [TravelHelperController]
at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.inject(AutowiredAnnotationBeanPostProcessor.java:512)

```

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:

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](#)

**venu** says: November 18, 2018 at 11:14 am  
org.hibernate.HibernateException:  
Could not obtain transaction-synchronized Session for current thread  
I am getting this error  
[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?

```

org.hibernate.MappingException: Unknown
entity: com.journaldev.model.Person
at
org.hibernate.internal.SessionFactoryImpl.g
etEntityPersister(SessionFactoryImpl.java:1
096)
at
org.hibernate.internal.SessionImpl.getEntity
Persister(SessionImpl.java:1488)
at
org.hibernate.engine.internal.ForeignKeys.is
Transient(ForeignKeys.java:242)
at
org.hibernate.event.internal.AbstractSaveEv
entListener.getEntityState(AbstractSaveEve
ntListener.java:521)
at
org.hibernate.event.internal.DefaultPersistE
ventListener.onPersist(DefaultPersistEventLi
stener.java:116)
at
org.hibernate.event.internal.DefaultPersistE
ventListener.onPersist(DefaultPersistEventLi
stener.java:75)
at
org.hibernate.internal.SessionImpl.firePersis
t(SessionImpl.java:811)
at
org.hibernate.internal.SessionImpl.persist(S
essionImpl.java:784)
at
org.hibernate.internal.SessionImpl.persist(S
essionImpl.java:789)
at
com.journaldev.dao.PersonDAOImpl.save(Pe
rsonDAOImpl.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/person  
 s 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\_

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[/SpringMVCHibernat

```
Task.java:122)
at
java.util.concurrent.FutureTask.get(FutureTas
k.java:192)
at
org.apache.catalina.core.ContainerBase.star
tInternal(ContainerBase.java:916)
at
org.apache.catalina.core.StandardHost.start
Internal(StandardHost.java:871)
at
org.apache.catalina.util.LifecycleBase.start(
LifecycleBase.java:150)
at
org.apache.catalina.core.ContainerBase$Sta
rtChild.call(ContainerBase.java:1408)
at
org.apache.catalina.core.ContainerBase$Sta
rtChild.call(ContainerBase.java:1398)
at
java.util.concurrent.FutureTask.run(FutureTas
k.java:266)
at
java.util.concurrent.ThreadPoolExecutor.run
Worker(ThreadPoolExecutor.java:1142)
at
java.util.concurrent.ThreadPoolExecutor$Wo
rker.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[lo
alhost].StandardContext[/SpringMVCHibern
ate]]
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.Standard
Root@354285fc]
at
org.apache.catalina.util.LifecycleBase.start(
LifecycleBase.java:154)
at
org.apache.catalina.core.StandardContext.r
esourcesStart(StandardContext.java:4928)
at
org.apache.catalina.core.StandardContext.st
artInternal(StandardContext.java:5058)
at
org.apache.catalina.util.LifecycleBase.start(
LifecycleBase.java:150)
... 6 more
Caused by:
```

```
urceSet@5a603673]
at
org.apache.catalina.util.LifecycleBase.init(Li
fecycleBase.java:106)
at
org.apache.catalina.util.LifecycleBase.start(
LifecycleBase.java:139)
at
org.apache.catalina.webresources.Standard
Root.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.JarResou
rceSet.initInternal(JarResourceSet.java:96)
at
org.apache.catalina.util.LifecycleBase.init(Li
fecycleBase.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$ZipFileInflaterInputStrea
m.fill(ZipFile.java:419)
at
java.util.zip.InflaterInputStream.read(InflaterI
nputStream.java:158)
at sun.misc.IOUtils.readFully(IOUtils.java:65)
at
java.util.jar.JarFile.getBytes(JarFile.java:425)
at
java.util.jar.JarFile.getManifestFromReferenc
e(JarFile.java:193)
at
java.util.jar.JarFile.getManifest(JarFile.java:1
80)
at
org.apache.catalina.webresources.JarResou
rceSet.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
```

```
[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(
```

```
rtChild.call(ContainerBase.java:1408)
at
org.apache.catalina.core.ContainerBase$Sta
rtChild.call(ContainerBase.java:1398)
at
java.util.concurrent.FutureTask.run(FutureTas
k.java:266)
at
java.util.concurrent.ThreadPoolExecutor.run
Worker(ThreadPoolExecutor.java:1142)
at
java.util.concurrent.ThreadPoolExecutor$Wo
rker.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.star
tInternal(ContainerBase.java:924)
at
org.apache.catalina.core.StandardHost.start
Internal(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(Ca
talina.java:625)
at
sun.reflect.NativeMethodAccessorImpl.invo
ke0(Native Method)
at
sun.reflect.NativeMethodAccessorImpl.invo
ke(NativeMethodAccessorImpl.java:62)
at
sun.reflect.DelegatingMethodAccessorImpl.i
nvoke(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(
```

```
Failed      to      start      component
[StandardService[Catalina]]
at
org.apache.catalina.util.LifecycleBase.start(
LifecycleBase.java:154)
at
org.apache.catalina.core.StandardServer.sta
rtInternal(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.st
artInternal(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.star
tInternal(ContainerBase.java:924)
at
org.apache.catalina.core.StandardEngine.st
artInternal(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
```

```
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

```
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

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(DataSource
at org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSe
at org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:228
at org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)
at org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)
at org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:
at org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatfo
at org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(Transa
at org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(Transaction
at org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95
at org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179
at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)
at com.sun.proxy.$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.ja
at org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(Serv
at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(Re
at org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(Reques
at org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdap
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(DataSource
at org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSe
at org.hibernate.WARN : org.hibernate.engine.jdbc.spi.SqlExceptionHelper - SQL Error: 0, SQLState: null
ERROR: org.hibernate.engine.jdbc.spi.SqlExceptionHelper - Cannot load JDBC driver class 'com.mysql.jdbc.Driver'
```

[Reply](#)

sooraj says:

September 2, 2016 at 10:12 am

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

[Réply](#)

arjun says:

August 3, 2016 at 10:15 am

hi i downloaded the example but it only  
 have 1 folder and a pom file. The size of the



**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 exception 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.

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
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAuto
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowi
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowire
at org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:304)
at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSinglenton
at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:300) [s
at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:195) [spr
at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultLis
at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractA
at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:4
at org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServl
at org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:624)
at org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:672)
```

# JournalDev

&lt; Previous

Next &gt;



```

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]
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$Worker.run(Unknown Source) [rt.jar:1.7.0_80]
at java.lang.Thread.run(Unknown Source) [rt.jar:1.7.0_80]
Caused by: java.lang.NoSuchMethodError: javax.persistence.Table.indexes()Ljava/xml/persistence/Index;
at org.hibernate.cfg.annotations.EntityBinder.processComplementaryTableDefinitions(EntityBinder.java:936) [hibernate-core-4.3.5.Final.jar:]
at org.hibernate.cfg.AnnotationBinder.bindClass(AnnotationBinder.java:824) [hibernate-core-4.3.5.Final.jar:]
at org.hibernate.cfg.Configuration$MetadataSourceQueue.processAnnotatedClassesQueue(Configuration.java:3788)
at org.hibernate.cfg.Configuration$MetadataSourceQueue.processMetadata(Configuration.java:3742) [hibernate-core-4.3.5.Final.jar:]
at org.hibernate.cfg.Configuration.secondPassCompile(Configuration.java:1410) [hibernate-core-4.3.5.Final.jar:]
at org.hibernate.cfg.Configuration.buildSessionFactory(Configuration.java:1844) [hibernate-core-4.3.5.Final.jar:]
at org.hibernate.cfg.Configuration.buildSessionFactory(Configuration.java:1928) [hibernate-core-4.3.5.Final.jar:]
at org.springframework.orm.hibernate4.LocalSessionFactoryBuilder.buildSessionFactory(LocalSessionFactoryBuilder.java:51)
at org.springframework.orm.hibernate4.LocalSessionFactoryBean.afterPropertiesSet(LocalSessionFactoryBean.java:117)
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAutowireCapableBeanFactory.java:348)
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:318)
... 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.PersonService]

nested exception is  
**java.lang.ClassNotFoundException:**  
**com.journaldev.spring.service.PersonService**  
**elimpl**

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
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 no
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 6:40:57 PM org.apache.catalina.core.StandardEngine execute
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a compl
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.C
org.springframework.beans.factory.xml.XmlBeanDefinitionStoreException: Line 1 in XML document from ServletContext r
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doloadBeanDefinitions(XmlBeanDefinitionRea
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReade
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReade
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationCo
at org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationCo
at org.springframework.context.support.AbstractRefreshableApplicationContext.refreshBeanFactory(AbstractRef
at org.springframework.context.support.AbstractApplicationContext.obtainFreshBeanFactory(AbstractApplicatio
at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:4
at org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(ContextLoader.jav
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.
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.
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(XMLDocumentFragments
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.jav
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doloadBeanDefinitions(XmlBeanDefinitionRea
... 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.Con
java.lang.IllegalStateException: BeanFactory not initialized or already closed - call 'refresh' before accessing be
at org.springframework.context.support.AbstractRefreshableApplicationContext.getBeanFactory(AbstractRefresh
at org.springframework.context.support.AbstractApplicationContext.destroyBeans(AbstractApplicationContext.j
at org.springframework.context.support.AbstractApplicationContext.doClose(AbstractApplicationContext.java:8
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:

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 dispctuter-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](#)

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.PageNotFo  
und - 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

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 16, 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



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 msqql-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.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;
org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:515)
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformT
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAs
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAsp
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:
org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(Servlet
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(Reque
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMa
org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter
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)
```

```

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(AbstractPlatformT
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(Transacti
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAsp
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:
org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(Servlet
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(Reque
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMa
org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter
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 repre:
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:695)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:663)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:653)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:638)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:606)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:624)
com.mysql.cj.jdbc.exceptions.SQLException.createSQLException(SQLException.java:620)
com.mysql.cj.jdbc.exceptions.SQLExceptionsMapping.translateException(SQLExceptionsMapping.java:68)
com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:1683)
com.mysql.cj.jdbc.ConnectionImpl.(ConnectionImpl.java:656)
com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:349)
com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:221)
java.sql.DriverManager.getConnection(DriverManager.java:664)
java.sql.DriverManager.getConnection(DriverManager.java:208)
org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriverManager(DriverManagerDat
org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriver(DriverManagerDataSource
org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnectionFromDriver(AbstractDriverBas
org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnection(AbstractDriverBasedDataSour
org.hibernate.engine.jdbc.connections.internal.DataSourceConnectionProviderImpl.getConnection(DatasourceCon
org.hibernate.internal.AbstractSession$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessi
org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:228)
org.hibernate.engine.jdbc.internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)
org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)
org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:429
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformT
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(Transacti
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAsp
org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)
com.sun.proxy.$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:
org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(Servlet
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(Reque
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMa
org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter
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

com.mysql.cj.core.exceptions.InvalidConnectionAttributeException: The server time zone value '???????????? ?????? (?????)'
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.ConnectionImpl.createConnection(ConnectionImpl.java:103)
com.mysql.cj.jdbc.ConnectionImpl.(ConnectionImpl.java:656)
com.mysql.cj.jdbc.ConnectionImpl.getInstance(ConnectionImpl.java:349)
com.mysql.cj.jdbc.NonRegisteringDriver.connect(NonRegisteringDriver.java:221)
java.sql.DriverManager.getConnection(DriverManager.java:664)
java.sql.DriverManager.getConnection(DriverManager.java:208)
org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriverManager(DriverManagerDataSource.java:103)
org.springframework.jdbc.datasource.DriverManagerDataSource.getConnectionFromDriver(DriverManagerDataSource.java:98)
org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnectionFromDriver(AbstractDriverBasedDataSource.java:103)
org.springframework.jdbc.datasource.AbstractDriverBasedDataSource.getConnection(AbstractDriverBasedDataSource.java:98)
org.hibernate.engine.jdbc.connections.internal.DataSourceConnectionProviderImpl.getConnection(DataSourceConnectionProviderImpl.java:103)
org.hibernate.internal.AbstractSessionImpl$NonContextualJdbcConnectionAccess.obtainConnection(AbstractSessionImpl.java:103)
org.hibernate.engine.jdbc/internal.LogicalConnectionImpl.obtainConnection(LogicalConnectionImpl.java:228)
org.hibernate.engine.jdbc/internal.LogicalConnectionImpl.getConnection(LogicalConnectionImpl.java:171)
org.hibernate.internal.SessionImpl.connection(SessionImpl.java:450)
org.springframework.orm.hibernate4.HibernateTransactionManager.doBegin(HibernateTransactionManager.java:429)
org.springframework.transaction.support.AbstractPlatformTransactionManager.getTransaction(AbstractPlatformTransactionManager.java:103)
org.springframework.transaction.interceptor.TransactionAspectSupport.createTransactionIfNecessary(TransactionAspectSupport.java:103)
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.java:103)
org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:95)
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:207)
com.sun.proxy.$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:103)
org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:98)
org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandleMethod(RequestMappingHandlerAdapter.java:98)
org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:98)
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.

```
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](#)

But now 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



**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 URI  
/SpringMVCHiberante/persons [Reply](#)



**Pankaj** says: June 4, 2016 at 6:52 am  
Thanks for helping Amit.  
Appreciate it.

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](#)

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/EventListener  
Factory"

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

[Dependency injection 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](#)

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: December 17, 2015 at 8:52 am

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
17:50:30,042 WARN [org.jboss.modules] (ServerService Thread Pool -- 22) Failed to define class org.springframework
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.registerTransactionalEventLi
at org.springframework.transaction.config.AnnotationDrivenBeanDefinitionParser.parse(AnnotationDrivenBeanDe
at org.springframework.beans.factory.xml.NamespaceHandlerSupport.parse(NamespaceHandlerSupport.java:74)
at org.springframework.beans.factory.xml.BeanDefinitionParserDelegate.parseCustomElement(BeanDefinitionPars
at org.springframework.beans.factory.xml.BeanDefinitionParserDelegate.parseCustomElement(BeanDefinitionPars
at org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.parseBeanDefinitions(DefaultBe
at org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.doRegisterBeanDefinitions(Defa
at org.springframework.beans.factory.xml.DefaultBeanDefinitionDocumentReader.registerBeanDefinitions(Default
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.registerBeanDefinitions(XmlBeanDefinitionR
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.registerBeanDefinitions(XmlBeanDefinitionRea
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReade
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.loadBeanDefinitions(XmlBeanDefinitionReade
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.beans.factory.support.AbstractBeanDefinitionReader.loadBeanDefinitions(AbstractBeanD
at org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationCo
at org.springframework.web.context.support.XmlWebApplicationContext.loadBeanDefinitions(XmlWebApplicationCo
at org.springframework.context.support.AbstractRefreshableApplicationContext.refreshBeanFactory(AbstractRef
at org.springframework.context.support.AbstractApplicationContext.obtainFreshBeanFactory(AbstractApplicatio
at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:4
at org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServl
at org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:629)
at org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:677)
at org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:548)
at org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:489)
at org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
at javax.servlet.GenericServlet.init(GenericServlet.java:244)
at io.undertow.servlet.core.LifecycleInterceptorInvocation.proceed(LifecycleInterceptorInvocation.java:117)
at org.wildfly.extension.undertow.security.RunAsLifecycleInterceptor.init(RunAsLifecycleInterceptor.java:78
at io.undertow.servlet.core.LifecycleInterceptorInvocation.proceed(LifecycleInterceptorInvocation.java:103)
at io.undertow.servlet.core.ManagedServlet$DefaultInstanceStrategy.start(ManagedServlet.java:230)
at io.undertow.servlet.core.ManagedServlet.createServlet(ManagedServlet.java:131)
at io.undertow.servlet.core.DeploymentManagerImpl.start(DeploymentManagerImpl.java:511)
at org.wildfly.extension.undertow.deployment.UndertowDeploymentService.startContext(UndertowDeploymentServ
at org.wildfly.extension.undertow.deployment.UndertowDeploymentService$1.run(UndertowDeploymentService.java
at java.util.concurrent.Executors$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
```

**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 with 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
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.java:320)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:145)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapableBeanFactory.java:1394)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanFactory.java:1140)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:542)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:476)
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:223)
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.java:320)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:145)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapableBeanFactory.java:1394)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanFactory.java:1140)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:542)
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:476)
```

```

    org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:537)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.findAutowireCandidates(DefaultListableBeanFactory.java:430)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:390)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:360)
    org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredAnnotationBeanPostProcessor.java:121)
    org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.populateBean(AbstractAutowireCapableBeanFactory.java:105)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:285)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.getObject(AbstractAutowireCapableBeanFactory.java:260)
    org.springframework.beans.factory.support.AbstractBeanFactory.getSingleton(AbstractBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:291)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:537)
    org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:524)
    org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:527)
    org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:681)
    org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)
    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': Bean currently in creation
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowireCapableBeanFactory.java:615)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:545)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:521)
    org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
    org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:233)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
    org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.java:394)
    org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:349)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapableBeanFactory.java:444)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanFactory.java:402)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:392)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:361)
    org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
    org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:233)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
    org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueResolver.java:394)
    org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitionValueResolver.java:349)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAutowireCapableBeanFactory.java:444)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireCapableBeanFactory.java:402)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:392)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:361)
    org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanRegistry.java:233)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.findAutowireCandidates(DefaultListableBeanFactory.java:430)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListableBeanFactory.java:390)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanFactory.java:360)
    org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues(AutowiredAnnotationBeanPostProcessor.java:121)
    org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.populateBean(AbstractAutowireCapableBeanFactory.java:105)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireCapableBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCapableBeanFactory.java:285)
    org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.getObject(AbstractAutowireCapableBeanFactory.java:260)
    org.springframework.beans.factory.support.AbstractBeanFactory.getSingleton(AbstractBeanFactory.java:301)
    org.springframework.beans.factory.support.AbstractBeanFactory.doGetBean(AbstractBeanFactory.java:291)
    org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListableBeanFactory.java:537)
    org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractApplicationContext.java:524)
    org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:527)
    org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.java:681)
    org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)
    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)

```

# JournalDev

< Previous Next >



```
java.util.concurrent.FutureTask$Sync.innerRun(FutureTask.java:305)
org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
java.lang.Thread.run(Unknown Source)
```

## root cause

```
java.lang.NoClassDefFoundError: Could not initialize class org.springframework.orm.hibernate4.LocalSessionFactoryBu
org.springframework.orm.hibernate4.LocalSessionFactoryBean.afterPropertiesSet(LocalSessionFactoryBean.java:
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.invokeInitMethods(AbstractAuto
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.initializeBean(AbstractAutowir
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCap
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanReg
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(BeanDefinitionValueR
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitio
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAu
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCap
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanReg
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueR
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveValueIfNecessary(BeanDefinitio
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.applyPropertyValues(AbstractAu
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCap
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanReg
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.BeanDefinitionValueResolver.resolveReference(BeanDefinitionValueR
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.in
org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCap
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanReg
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableB
org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBeanF
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement.in
org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)
org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyValues
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowireC
org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowireCap
org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:305)
org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSingletonBeanReg
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:301)
org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:196)
org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultListab
org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractAppl
org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:537)
org.springframework.web.servlet.FrameworkServlet.configureAndRefreshWebApplicationContext(FrameworkServlet.
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:633)
org.springframework.web.servlet.FrameworkServlet.createWebApplicationContext(FrameworkServlet.java:681)
org.springframework.web.servlet.FrameworkServlet.initWebApplicationContext(FrameworkServlet.java:552)
org.springframework.web.servlet.FrameworkServlet.initServletBean(FrameworkServlet.java:493)
org.springframework.web.servlet.HttpServletBean.init(HttpServletBean.java:136)
javax.servlet.GenericServlet.init(GenericServlet.java:158)
org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:503)
org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:103)
org.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950)
org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:421)
org.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor.java:1070)
org.apache.coyote.AbstractProtocol$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



Pankai says:

June 4, 2016 at 7:12 am

java.lang.NoClassDefFoundError:

Could not initialize class

org.springframework.orm.hibernate

oalSessionFactoryBuilder

You are missing some jar files

Reply

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.C
org.springframework.beans.factory.BeanCreationException: Error creating bean with name 'userProfileController': Inj
at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyVal
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.populateBean(AbstractAutowi
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.doCreateBean(AbstractAutowi
at org.springframework.beans.factory.support.AbstractAutowireCapableBeanFactory.createBean(AbstractAutowire
at org.springframework.beans.factory.support.AbstractBeanFactory$1.getObject(AbstractBeanFactory.java:306)
at org.springframework.beans.factory.support.DefaultSingletonBeanRegistry.getSingleton(DefaultSinglentonBean
at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:302)
at org.springframework.beans.factory.support.AbstractBeanFactory.getBean(AbstractBeanFactory.java:197)
at org.springframework.beans.factory.support.DefaultListableBeanFactory.preInstantiateSingletons(DefaultLis
at org.springframework.context.support.AbstractApplicationContext.finishBeanFactoryInitialization(AbstractA
at org.springframework.context.support.AbstractApplicationContext.refresh(AbstractApplicationContext.java:5
at org.springframework.web.context.ContextLoader.configureAndRefreshWebApplicationContext(ContextLoader.jav
at org.springframework.web.context.ContextLoader.initWebApplicationContext(ContextLoader.java:328)
at org.springframework.web.context.ContextLoaderListener.contextInitialized(ContextLoaderListener.java:107)
at org.apache.catalina.core.StandardContext.listenerStart(StandardContext.java:5003)
at org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5517)
at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)
at org.apache.catalina.core.ContainerBase$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.sone
at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement
at org.springframework.beans.factory.annotation.InjectionMetadata.inject(InjectionMetadata.java:88)
at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor.postProcessPropertyVal
... 22 more
Caused by: org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bean of type [com.sonepar
at org.springframework.beans.factory.support.DefaultListableBeanFactory.raiseNoSuchBeanDefinitionException(
at org.springframework.beans.factory.support.DefaultListableBeanFactory.doResolveDependency(DefaultListable
at org.springframework.beans.factory.support.DefaultListableBeanFactory.resolveDependency(DefaultListableBe
at org.springframework.beans.factory.annotation.AutowiredAnnotationBeanPostProcessor$AutowiredMethodElement
... 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.meth

```
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  
 updaode,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](#)

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

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](#)

**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](#)

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](#)

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.

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.

## 2)Below Exception

```
java.lang.IllegalStateException: Neither BindingResult nor plain target object for bean name 'person' available via #bind on MessageConverterDelegate
    at org.springframework.web.servlet.support.BindStatus.(BindStatus.java:144)
    at org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getBindStatus(AbstractDataBoundFormElementTag.java:161)
    at org.springframework.web.servlet.tags.form.AbstractDataBoundFormElementTag.getPropertyPath(AbstractDataBoundFormElementTag.java:136)
    at org.springframework.web.servlet.tags.form.LabelTag.autogenerateFor(LabelTag.java:130)
    at org.springframework.web.servlet.tags.form.LabelTag.resolveFor(LabelTag.java:120)
    at org.springframework.web.servlet.tags.form.LabelTag.writeTagContent(LabelTag.java:90)
    at org.springframework.web.servlet.tags.form.AbstractFormTag.doStartTagInternal(AbstractFormTag.java:84)
    at org.springframework.web.servlet.tags.form.RequestContextAwareTag.doStartTag(RequestContextAwareTag.java:80)
    at org.apache.jsp.index_jsp._jspx_meth_form_005flabel_005f1(index_jsp.java:427)
    at org.apache.jsp.index_jsp._jspx_meth_form_005fform_005f0(index_jsp.java:180)
    at org.apache.jsp.index_jsp._jspService(index_jsp.java:108)
    at org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:722)
    at org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:419)
    at org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:391)
    at org.apache.jasper.servlet.JspServlet.service(JspServlet.java:334)
    at 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  
hibernate4AnnotatedSession  
Factory. In the example  
given the dialect is set to  
org.hibernate.dialect.MySQL  
Dialect. 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.Oracle9  
iDialect, 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

Professional to professional bow from my side.

Thanks,  
Venkat

[Reply](#)

Manoj says: May 2, 2015 at 2:28 pm

Hi Pankaj,

Thanks for above given nice example. But i have one issue, when i try to start the tomcat 6.0 in STS. It gives this below given error:- can u help me for this (I am unable to start the Tomcat)

```
java.lang.reflect.InvocationTargetException  
at  
sun.reflect.NativeMethodAccessorImpl.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(B  
ootstrap.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.createS  
tartDigester(Catalina.java:253)  
at  
org.apache.catalina.startup.Catalina.load(Ca  
talina.java:474)  
at  
org.apache.catalina.startup.Catalina.load(Ca  
talina.java:562)  
... 6 more  
Caused by:  
java.lang.ClassNotFoundException:  
org.apache.juli.logging.LogFactory  
at  
java.net.URLClassLoader.findClass(Unknow  
n Source)  
at  
java.lang.ClassLoader.loadClass(Unknown  
Source)  
at
```

Thanks.

[Reply](#)**Santosh Sm** says:

April 30, 2015 at 2:19 am

Hi Pankaj,

It was a great article..... 😊 mysql connector dependency is missing in ur pom.xml ..[Reply](#)**serban** says:

April 29, 2015 at 8:40 am

Hi Pankaj,

I used your example but with two classes(book and review) instead of one (person) and I receive an error (below) if i have @Controlled annotation on both classes. If i delete it from one it works but it says No mapping found for HTTP request with URI [/BookReviewApp/] in DispatcherServlet with name 'servlet'.

ERROR:

```
org.springframework.web.servlet.DispatcherServlet - Context initialization failed
org.springframework.beans.factory.BeanCreationException: Error creating bean with name
'org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerMapping#0': Invocation of init method failed; nested exception is
java.lang.IllegalStateException:
Ambiguous mapping found. Cannot map
'reviewController' bean method
public          java.lang.String
com.bookReview.app.ReviewController.editReview(int,org.springframework.ui.Model)
1)
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

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 :

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](#)

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 Serv  
at org.springframework.beans.factory.xml.XmlBeanDefinitionReader.doLoadBeanDefinitions(XmlBeanDefinitionRea`

[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.

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.ContextLo
```

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/Err>  
 or

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 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

Obviously 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](#)

srinivasulu says: October 4, 2019 at 3:32 am

```
Oct 04, 2019 3:59:15 PM
org.apache.catalina.startup.Catali
na start
INFO: Server startup in 85420 ms
Oct 04, 2019 4:00:07 PM
org.hibernate.engine.internal.Stati
sticalLoggingSessionEventListene
r end
INFO: Session Metrics {
212238 nanoseconds spent
acquiring 1 JDBC connections;
0 nanoseconds spent releasing 0
JDBC connections;
0 nanoseconds spent preparing 0
JDBC statements;
0 nanoseconds spent executing 0
JDBC statements;
```

```
0 L2C puts;
0 nanoseconds spent performing
0 L2C hits;
0 nanoseconds spent performing
0 L2C misses;
0 nanoseconds spent executing 0
flushes (flushing a total of 0
entities and 0 collections);
0 nanoseconds spent executing 0
partial-flushes (flushing a total of
0 entities and 0 collections)
}
Oct 04, 2019 4:00:07 PM
org.apache.catalina.core.Standard
WrapperValve invoke
SEVERE: Servlet.service() for
servlet [appServlet] in context
with path [/SpringMVCHibernate]
threw exception [Request
processing failed; nested
exception is
org.springframework.transaction.
CannotCreateTransactionExceptio
n: Could not open Hibernate
Session for transaction; nested
exception is
java.lang.UnsupportedOperationE
xception: Not supported by
BasicDataSource] with root cause
java.lang.UnsupportedOperationE
xception: Not supported by
BasicDataSource
at
org.apache.commons.dbcp.Basic
DataSource.getConnection(Basic
DataSource.java:1062)
at
org.hibernate.engine.jdbc.connect
ions.internal.DatasourceConnecti
onProviderImpl.getConnection(Da
tasourceConnectionProviderImpl.
java:139)
at
org.hibernate.internal.AbstractSes
sionImpl$NonContextualJdbcCon
nectionAccess.obtainConnection(
AbstractSessionImpl.java:380)
at
org.hibernate.engine.jdbc.internal.
LogicalConnectionImpl.obtainCon
nection(LogicalConnectionImpl.ja
va:228)
at
org.hibernate.engine.jdbc.internal.
LogicalConnectionImpl.getConnection(
LogicalConnectionImpl.java:
171)
at
```

```
at  
org.springframework.orm.hibernate4.HibernateTransactionManager.  
doBegin(HibernateTransactionMa  
nager.java:450)  
at  
org.springframework.transaction.s  
upport.AbstractPlatformTransacti  
onManager.getTransaction(Abs  
tractPlatformTransactionManager.jav  
a:373)  
at  
org.springframework.transaction.i  
nterceptor.TransactionAspectSup  
port.createTransactionIfNecessary  
(TransactionAspectSupport.java:4  
47)  
at  
org.springframework.transaction.i  
nterceptor.TransactionAspectSup  
port.invokeWithinTransaction(Tra  
nsactionAspectSupport.java:277)  
at  
org.springframework.transaction.i  
nterceptor.TransactionInterceptor.  
invoke(TransactionInterceptor.jav  
a:96)  
at  
org.springframework.aop.frame  
ork.ReflectiveMethodInvocation.p  
roceed(ReflectiveMethodInvocati  
on.java:179)  
at  
org.springframework.aop.frame  
ork.JdkDynamicAopProxy.invoke(  
JdkDynamicAopProxy.java:213)  
at  
com.sun.proxy.$Proxy28.listPerso  
ns(Unknown Source)  
at  
com.journaldev.spring.PersonCon  
troller.listPersons(PersonControll  
er.java:29)  
at  
sun.reflect.NativeMethodAccesso  
rImpl.invoke0(Native Method)  
at  
sun.reflect.NativeMethodAccesso  
rImpl.invoke(Unknown Source)  
at  
sun.reflect.DelegatingMethodAcc  
essorImpl.invoke(Unknown  
Source)  
at  
java.lang.reflect.Method.invoke(U  
nknown Source)  
at  
org.springframework.web.method.
```

```
at  
org.springframework.web.method.  
support.InvocableHandlerMethod.  
invokeForRequest(InvocableHand  
lerMethod.java:133)  
at  
org.springframework.web.servlet.  
mvc.method.annotation.ServletInv  
ocableHandlerMethod.invokeAnd  
Handle(ServletInvocableHandler  
Method.java:97)  
at  
org.springframework.web.servlet.  
mvc.method.annotation.RequestMappingHandlerAdapter.invokeHa  
ndlerMethod(RequestMappingHa  
ndlerAdapter.java:827)  
at  
org.springframework.web.servlet.  
mvc.method.annotation.RequestMappingHandlerAdapter.handleIn  
ternal(RequestMappingHandlerAd  
apter.java:738)  
at  
org.springframework.web.servlet.  
mvc.method.AbstractHandlerMet  
hodAdapter.handle(AbstractHandl  
erMethodAdapter.java:85)  
at  
org.springframework.web.servlet.  
DispatcherServlet.doDispatch(Dis  
patcherServlet.java:967)  
at  
org.springframework.web.servlet.  
DispatcherServlet.doService(Disp  
atcherServlet.java:901)  
at  
org.springframework.web.servlet.  
FrameworkServlet.processReque  
st(FrameworkServlet.java:970)  
at  
org.springframework.web.servlet.  
FrameworkServlet doGet(Framew  
orkServlet.java:861)  
at  
javax.servlet.http.HttpServlet.serv  
ice(HttpServletRequest.java:622)  
at  
org.springframework.web.servlet.  
FrameworkServlet.service(Frame  
workServlet.java:846)  
at  
javax.servlet.http.HttpServlet.serv  
ice(HttpServletRequest.java:729)  
at  
org.apache.catalina.core.Applicati  
onFilterChain.internalDoFilter(AP  
PLICATIONFILTERCHAIN.java:292)
```

```
FilterChain.java:207)
at
org.apache.tomcat.websocket.ser
ver.WsFilter.doFilter(WsFilter.java:
52)
at
org.apache.catalina.core.Applicati
onFilterChain.internalDoFilter(Ap
plicationFilterChain.java:240)
at
org.apache.catalina.core.Applicati
onFilterChain.doFilter(Application
FilterChain.java:207)
at
org.apache.catalina.core.Standard
WrapperValve.invoke(StandardWr
apperValve.java:212)
at
org.apache.catalina.core.Standard
ContextValve.invoke(StandardCon
textValve.java:106)
at
org.apache.catalina.authenticator.
AuthenticatorBase.invoke(Authen
ticatorBase.java:502)
at
org.apache.catalina.core.Standard
HostValve.invoke(StandardHostVa
lve.java:141)
at
org.apache.catalina.valves.ErrorR
eportValve.invoke(ErrorReportValv
e.java:79)
at
org.apache.catalina.valves.Abstra
ctAccessLogValve.invoke(Abstrac
tAccessLogValve.java:616)
at
org.apache.catalina.core.Standard
EngineValve.invoke(StandardEngi
neValve.java:88)
at
org.apache.catalina.connector.Co
yoteAdapter.service(CoyoteAdapt
er.java:528)
at
org.apache.coyote.http11.Abstrac
tHttp11Processor.process(Abstra
ctHttp11Processor.java:1099)
at
org.apache.coyote.AbstractProtoc
ol$AbstractConnectionHandler.pr
ocess(AbstractProtocol.java:670)
at
org.apache.tomcat.util.net.NioEnd
point$SocketProcessor.doRun(Ni
oEndpoint.java:1520)
at
```

```
at  
java.util.concurrent.ThreadPoolEx  
ecutor.runWorker(Unknown  
Source)  
at  
java.util.concurrent.ThreadPoolEx  
ecutor$Worker.run(Unknown  
Source)  
at  
org.apache.tomcat.util.threads.Tas  
kThread$WrappingRunnable.run(T  
askThread.java:61)  
at java.lang.Thread.run(Unknown  
Source)
```

[Reply](#)

Shalom says: December 2, 2014 at 9:34 am

Hi,  
I am newbie in spring, maven so sorry for  
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.BeanCre  
ationException: Error creating bean with  
name 'boxControllers': Injection of  
autowired dependencies failed; nested  
exception is  
org.springframework.beans.factory.BeanCre  
ationException: Could not autowire field:  
com.domitik.DomitikWS.services.BoxServic  
e  
com.domitik.DomitikWS.controllers.BoxCont  
rollers.boxService; nested exception is  
org.springframework.beans.factory.NoSuch  
BeanDefinitionException: No qualifying  
bean of type  
[com.domitik.DomitikWS.services.BoxServic  
e] found for dependency: expected at least  
1 bean which qualifies as autowire  
candidate for this dependency.

at  
 org.springframework.beans.factory.annotati  
 on.AutowiredAnnotationBeanPost...

Thanks for your help

[Reply](#)

Shalom says: December 2, 2014 at 9:38 am

Sorry some context.xml was  
 truncated...

com.domitik.domitikCDB.model.Box  
 org.hibernate.dialect.MySQL5Dialect  
 true

the

[Reply](#)

Daniel says: November 28, 2014 at 8:36 am

You software does not respond anything, I  
 have had a problem with error 404.

tomcat não acusa erro, mas não existe  
 retorno da pagina jsp.

[Reply](#)

Daniel says: November 28, 2014 at 8:37 am

tomcat does not accuse error, but  
 there is no return of the jsp page.

[Reply](#)

Rikenson says: November 27, 2014 at 11:48 pm

What is the content of root-context.xml

[Reply](#)

Den says: November 25, 2014 at 11:24 am

Thank you very much for tutorial. Almost all  
 right! But when I start project, i have an  
 error 404

No mapping found for HTTP request with  
 URI [/SpringMVCHibernate/] in  
 DispatcherServlet, if I write by hands  
 address /persons all is work! where I need  
 to look. (In servlet-context.xml i change  
 nothing ).

[Reply](#)

Den says: February 9, 2015 at 8:32 am

Waiting for youre answer

[Reply](#)



Pankaj says: February 9, 2015 at 11:03 am

Sorry for late response, you need  
 to understand URI. Since there is  
 no home page defined, you get  
 error if you go to web application

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.Page  
NotFound - 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



Pankaj says: November 16, 2014 at 9:41 pm

We are getting the session from Spring ORM as configured below.

```
<beans:bean  
id="hibernate4AnnotatedSessionFacto  
ry"  
class="org.springframework.orm.hibern  
ate4.LocalSessionFactoryBean">
```

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](#)

[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:

```
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,

I address and 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

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

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.Page

NotFound - No mapping found for HTTP request with URI [/spring/] in DispatcherServlet with name 'appServlet'

[Reply](#)

**Lokesh Kumar** says: September 16, 2014 at 4:29 am

I'm run this program on NetBeans IDE 8.0 , Whenever run this program problem is occurring like this:

Severe: Exception while loading the app

Severe: Undeployment failed for context /EMD

Severe: Exception while loading the app : java.lang.IllegalStateException:

ContainerBase.addChild: start:

org.apache.catalina.LifecycleException:

org.apache.catalina.LifecycleException:

org.springframework.beans.factory.NoSuchBeanDefinitionException: No qualifying bean of type [com.jindal.emd.model.Person] found for dependency: expected at least 1 bean which qualifies as autowire candidate for this dependency. Dependency annotations:

{@org.springframework.web.bind.annotation.ModelAttribute(value=person)}

[Reply](#)

**Rizwan Mursaleen** says: September 15, 2014 at 9:40 pm

I think you have forgot to include root-context.xml, if not, How to write root-context.xml

[Reply](#)

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.PageNotFo
und – 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.ContextLo
aderListener
appServlet
org.springframework.web.servlet.Dispatcher
Servlet
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.BeanDe
finitionStoreException: 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

com.journaldev.spring.dao.PersonDAOImpl  
 java.lang.ClassNotFoundException:  
 com.journaldev.spring.service.PersonService  
 elmpl

[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

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 diagram as per the Spring MVC Hibernate MySQL Integration CRUD Example Tutorial , i am not able to understand how each of the classes 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  
Query

[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

[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.BeanCre  
ationException: 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

[Reply](#)

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