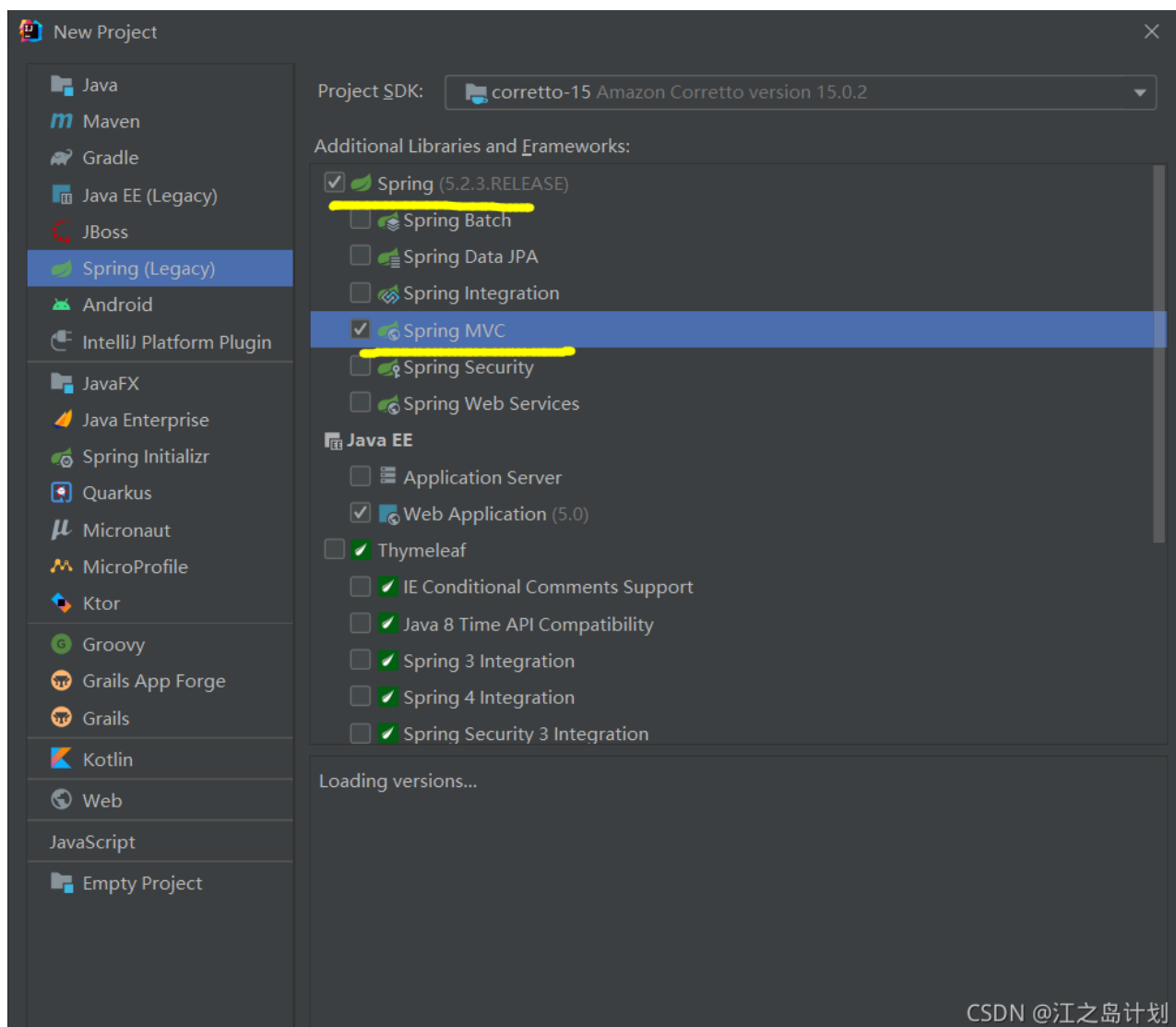


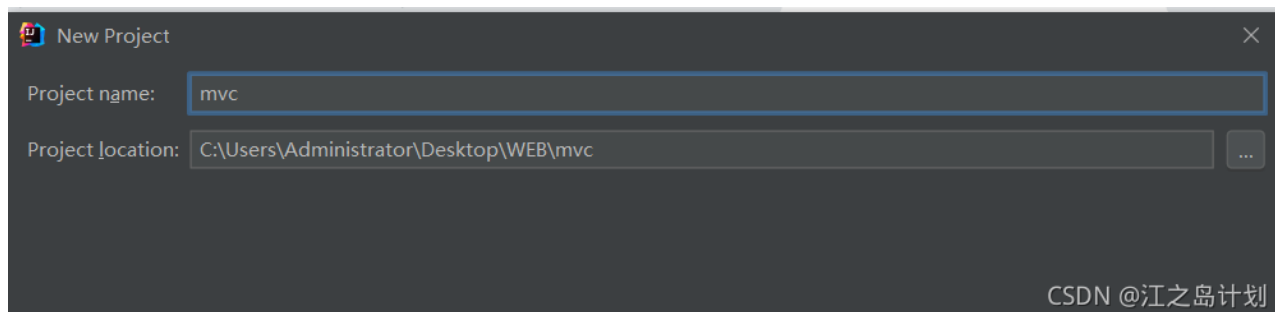
IDEA创建一个SpringMVC项目（基于注解）

1. 首先在idea中如图建一个项目，别的不要勾

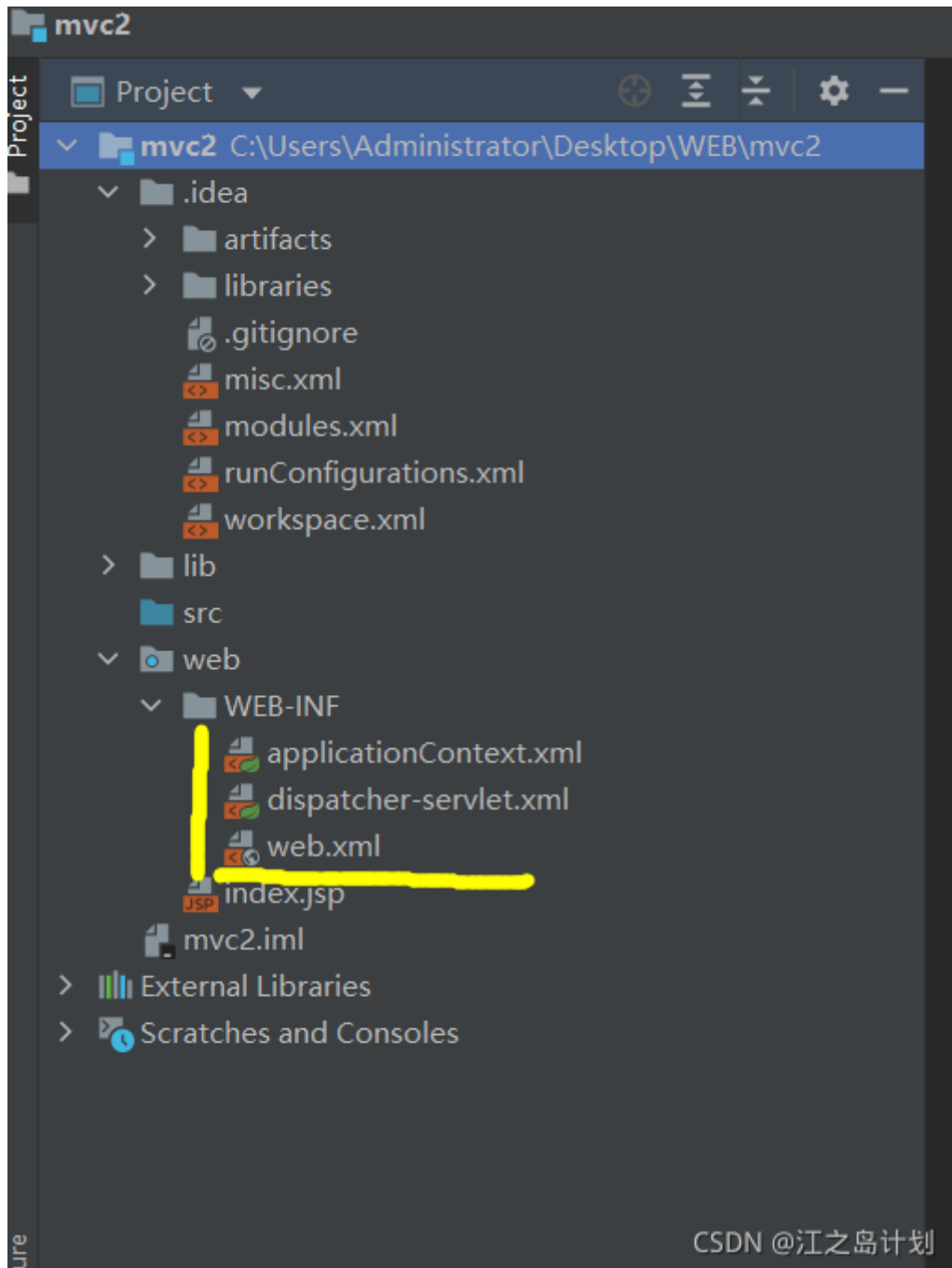


当然创建方法不唯一，也可以用maven，或者手工导jar包，自己建起目录结构。

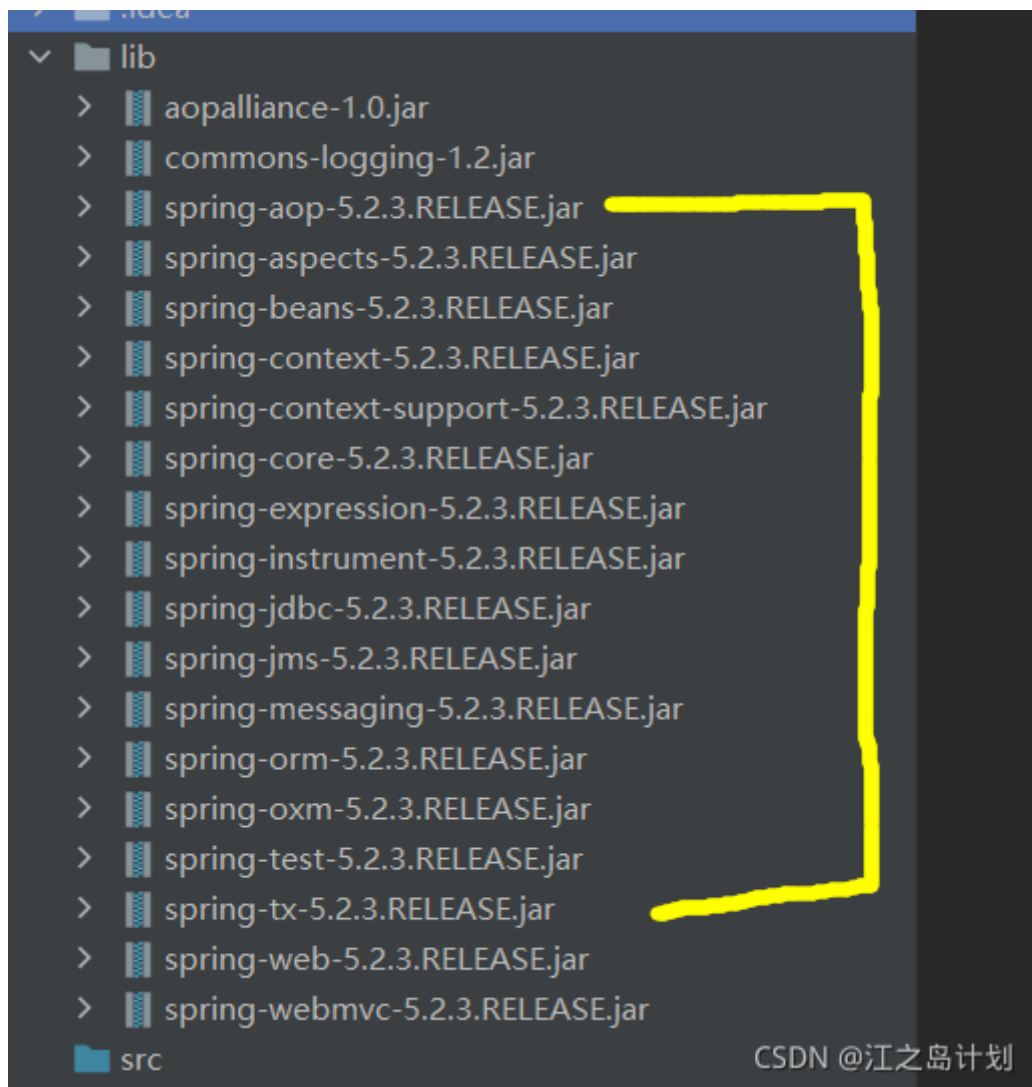
接下来可以填写项目名



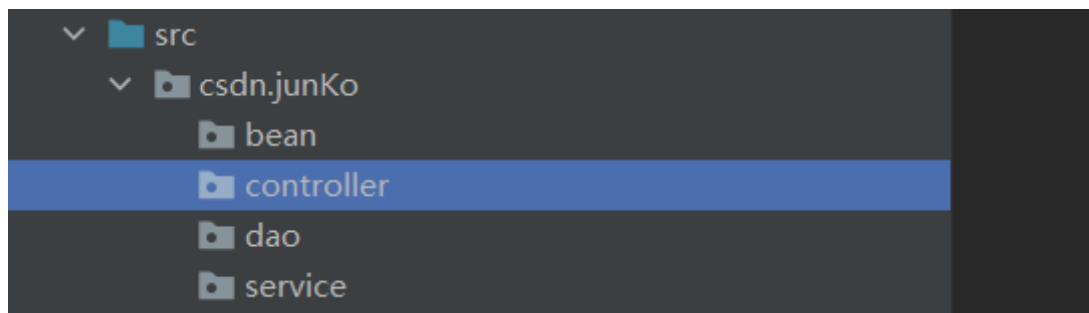
系统创建好的目录结构如下：



注意观察：[applicationContext.xml](#),[dispatcher-servlet.xml](#)都在WEB-INF内被创建了
src是放java包的文件夹，java包中又有java类
而且这个项目里spring的jar包也已经下载好了：



2.下一步，按如图所示创建包结构：



3.下一步，设置好三个配置文件，web，spring与springmvc

web.xml

自动生成的其他部分不要动，在dispatcher中添加一个初始化标签，指向配置信息，附录中会粘贴可复制的文档，这里先看图

```
dispatcher-servlet.xml × web.xml × applicationContext.xml × index.jsp ×
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns="https://jakarta.ee/xml/ns/jakartaee"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee https://jakarta.ee/xml/ns/jakartaee
5         version="5.0">
6     <context-param>
7         <param-name>contextConfigLocation</param-name>
8         <param-value>/WEB-INF/applicationContext.xml</param-value>
9     </context-param>
10    <listener>
11        <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
12    </listener>
13
14    <servlet>
15        <servlet-name>dispatcher</servlet-name>
16        <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
17
18        <init-param>
19            <param-name>contextConfigLocation</param-name>
20            <param-value>WEB-INF/dispatcher-servlet.xml</param-value>
21        </init-param>
22
23        <load-on-startup>1</load-on-startup>
24    </servlet>
25    <servlet-mapping>
26        <servlet-name>dispatcher</servlet-name>
27        <url-pattern>*.form</url-pattern>
28    </servlet-mapping>
29 </web-app>
```

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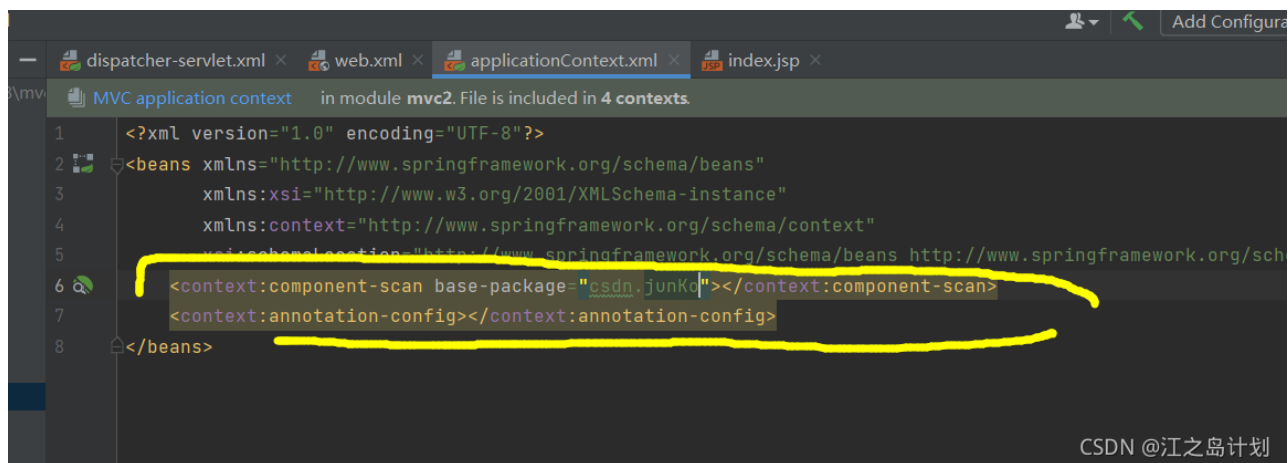
在dispatcherServlet.xml中写入如下内容:

不用管上面的命名空间, 写完之后idea会自动补全, 详细每条是什么意思请翻书, 要注意前缀设置了WEB-INF/jsp, 就意味着找视图时会从这个文件夹中找!

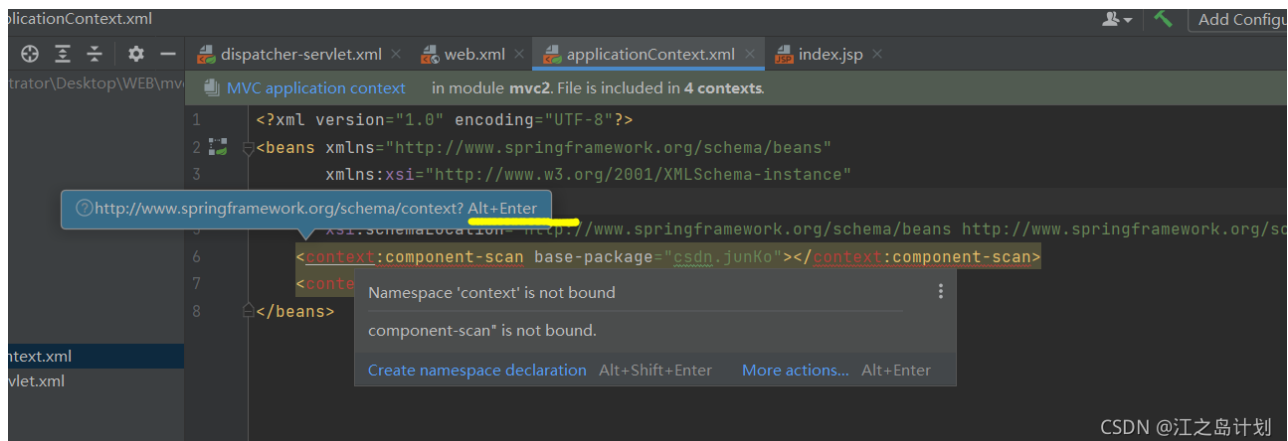
```
dispatcher-servlet.xml × web.xml × applicationContext.xml × index.jsp ×
1 <?xml version="1.0" encoding="UTF-8"?>
2 <beans xmlns="http://www.springframework.org/schema/beans"
3        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4        xmlns:context="http://www.springframework.org/schema/context"
5        xmlns:mvc="http://www.springframework.org/schema/mvc"
6        xsi:schemaLocation="http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd http:
7
8    <context:component-scan base-package="csdn.junKo"/>
9    <mvc:annotation-driven/>
10    <bean class="org.springframework.web.servlet.view.InternalResourceViewResolver" id="InternalResourceViewResolver">
11        <property name="prefix" value="/WEB-INF/jsp"/>
12        <property name="suffix" value=".jsp"/>
13    </bean>
14 </beans>
```

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在applicationContext.xml中写入如下内容:



如果标红，就按Alt+Enter创建一个命名空间，



到此为止，spring就能扫描添加注解的类了。所以下面开始创建类

4.创建Bean, DAO, Service, Controller类

简单起见不写接口了，尽量简化，看清本质

```
package csdn.junKo.bean; import org.springframework.beans.factory.annotation.Value; import org.springframework.stereotype.Component; @Component public class Book { @Value("20") int id; public int getId() { return id; } public void setId(int id) { this.id = id; } @Override public String toString() { return "Book{" + "id=" + id + '}' ; } }
```



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```
package csdn.junKo.dao; import csdn.junKo.bean.Book; import
org.springframework.beans.factory.annotation.Autowired; import
org.springframework.stereotype.Repository; @Repository public class BookDao { public void
deleteBook(Book book){ System.out.println("BookDao : deleteBook "+book+" in database "); } }
```



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```
package csdn.junKo.service; import csdn.junKo.bean.Book; import csdn.junKo.dao.BookDao; import
org.springframework.beans.factory.annotation.Autowired; import org.springframework.stereotype.Service;
@Service public class BookService { @Autowired BookDao bookDao; @Autowired Book book; public String
deleteBook() { System.out.println("BookService: deleteBook"); bookDao.deleteBook(book); return
"deleteBook ok"; } }
```



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```
package csdn.junKo.controller; import csdn.junKo.service.BookService; import
org.springframework.beans.factory.annotation.Autowired; import
org.springframework.stereotype.Controller; import
org.springframework.web.bind.annotation.RequestMapping; import
org.springframework.web.servlet.ModelAndView; @Controller public class HelloBookController {
@Autowired BookService bookService; @RequestMapping("/deleteBook") public ModelAndView deleteBook() {
String str = bookService.deleteBook(); ModelAndView modelAndView = new ModelAndView();
modelAndView.setViewName("deleteBook"); modelAndView.addObject("msg",str); return modelAndView; } }
```



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5.在WEB-INF下的jsp文件夹中创建jsp页面

没有jsp文件夹，自己新建一个

```
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
<title>DeleteBook</title>
</head>
<body>
    ${msg}
</body>
</html>
```

msg (HelloBookController) String

Ctrl+向下箭头 and Ctrl+向上箭头 will move caret down and up in the editor Next Tip

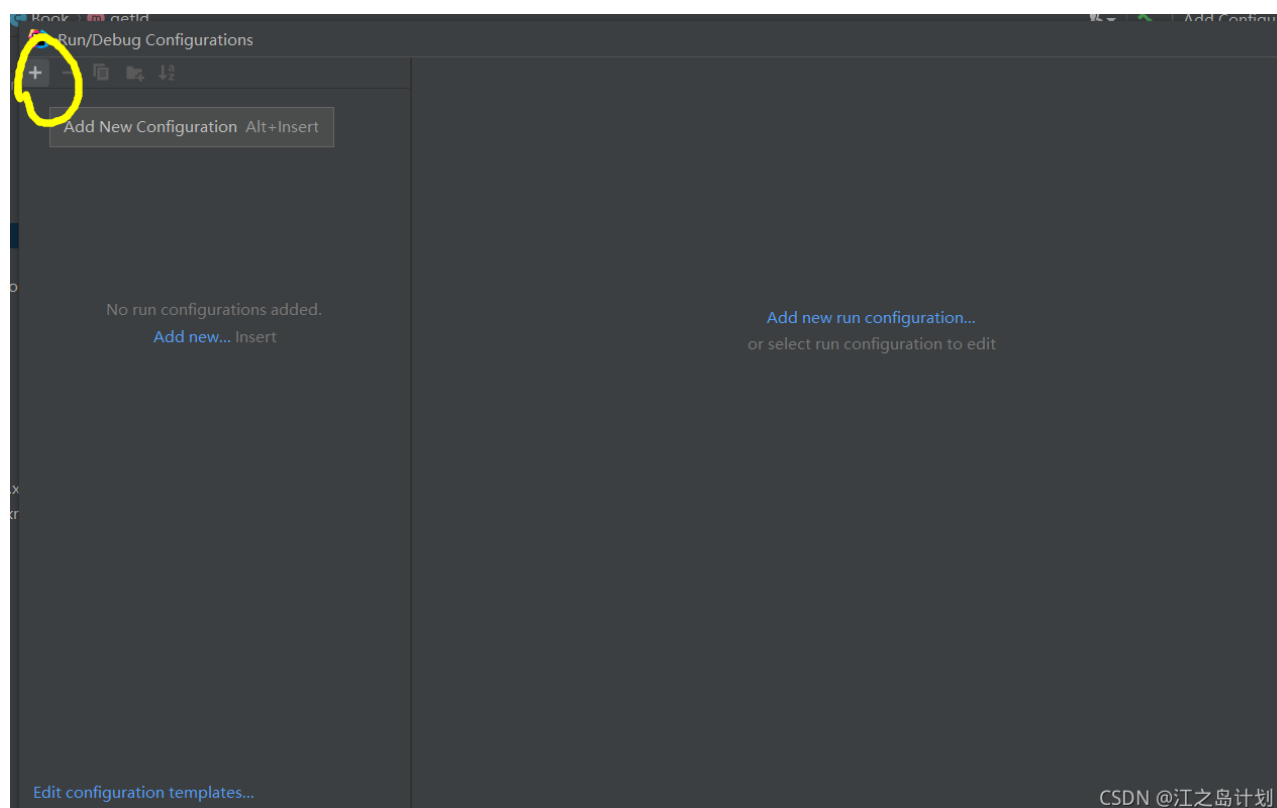
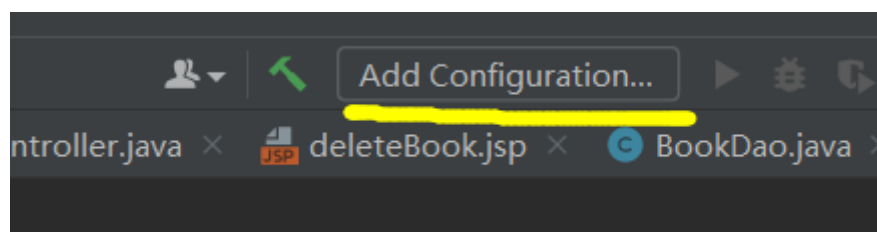
用EL输出时有提示, 说明结果正确。

当然, 那些dao什么的都是瞎写的, 就是检查一些spring能不能装配成功, 如果点左边的绿叶子图标能导航到依赖它的类, 就说明可以了

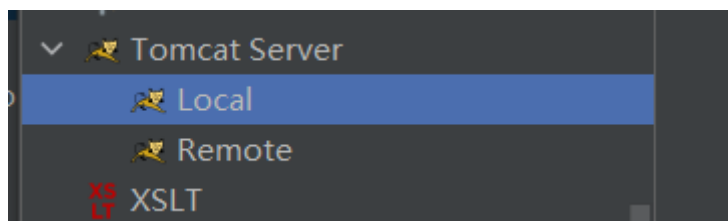


6. 添加tomcat运行环境

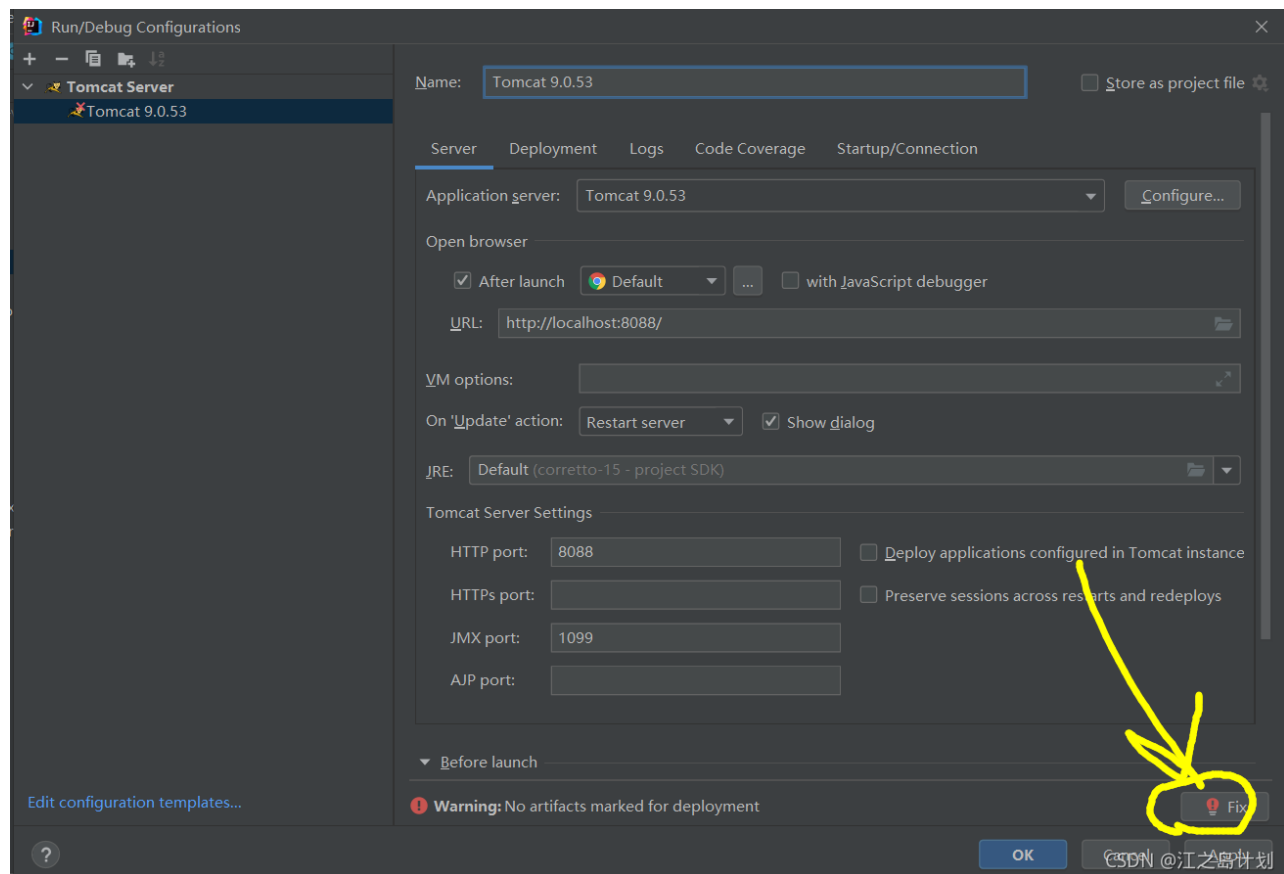
照着图片点



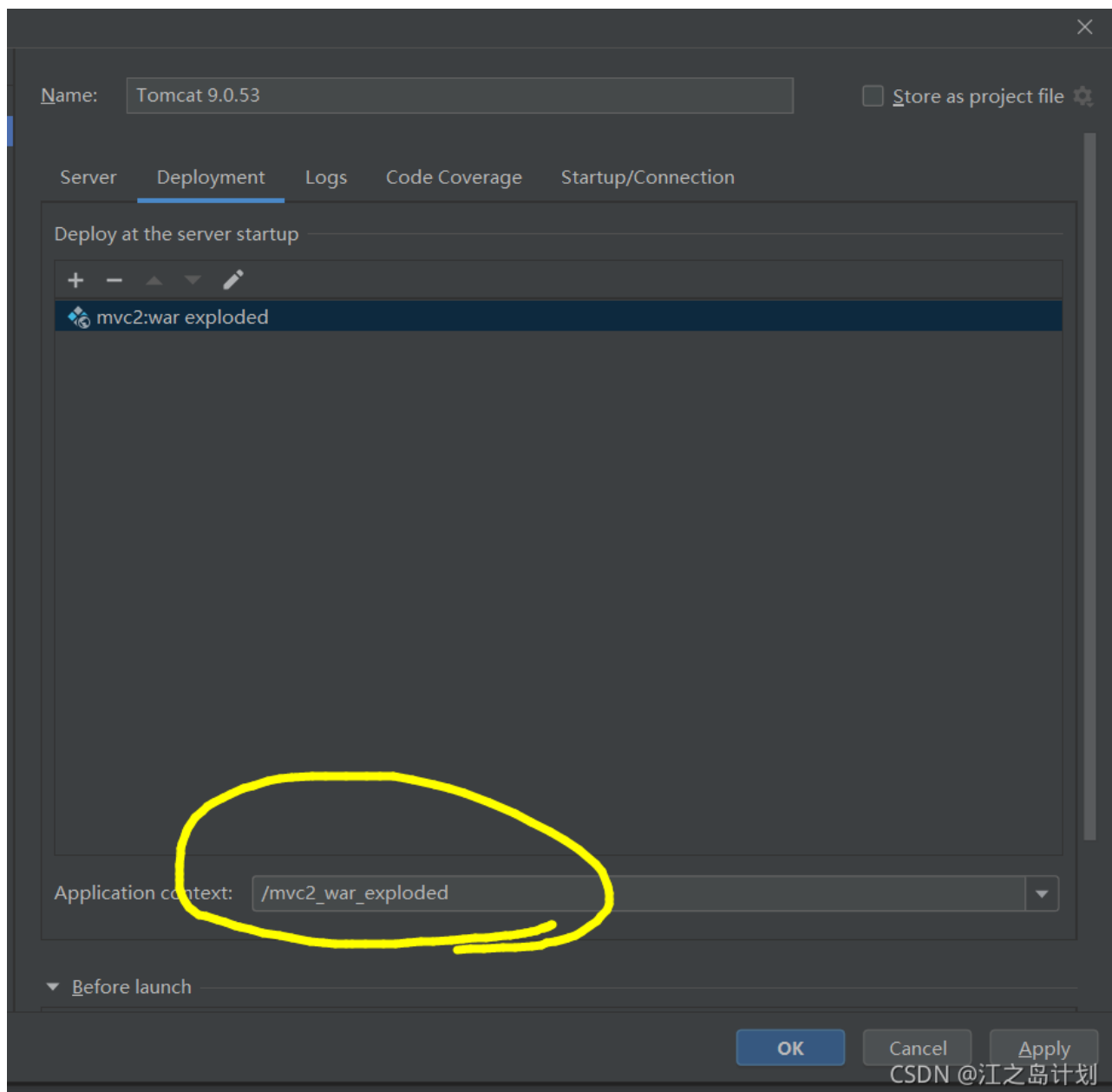
前提是已经安装了tomcat环境



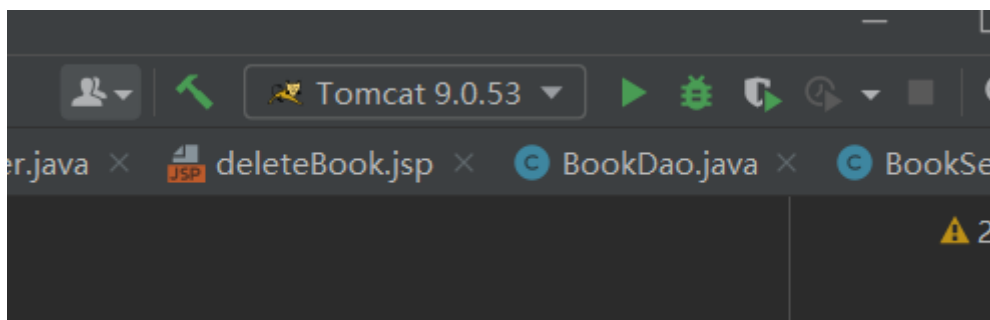
点fix



这里可这个黄圈里的东西可以改掉，它即为项目名，在访问url时会多一层它。

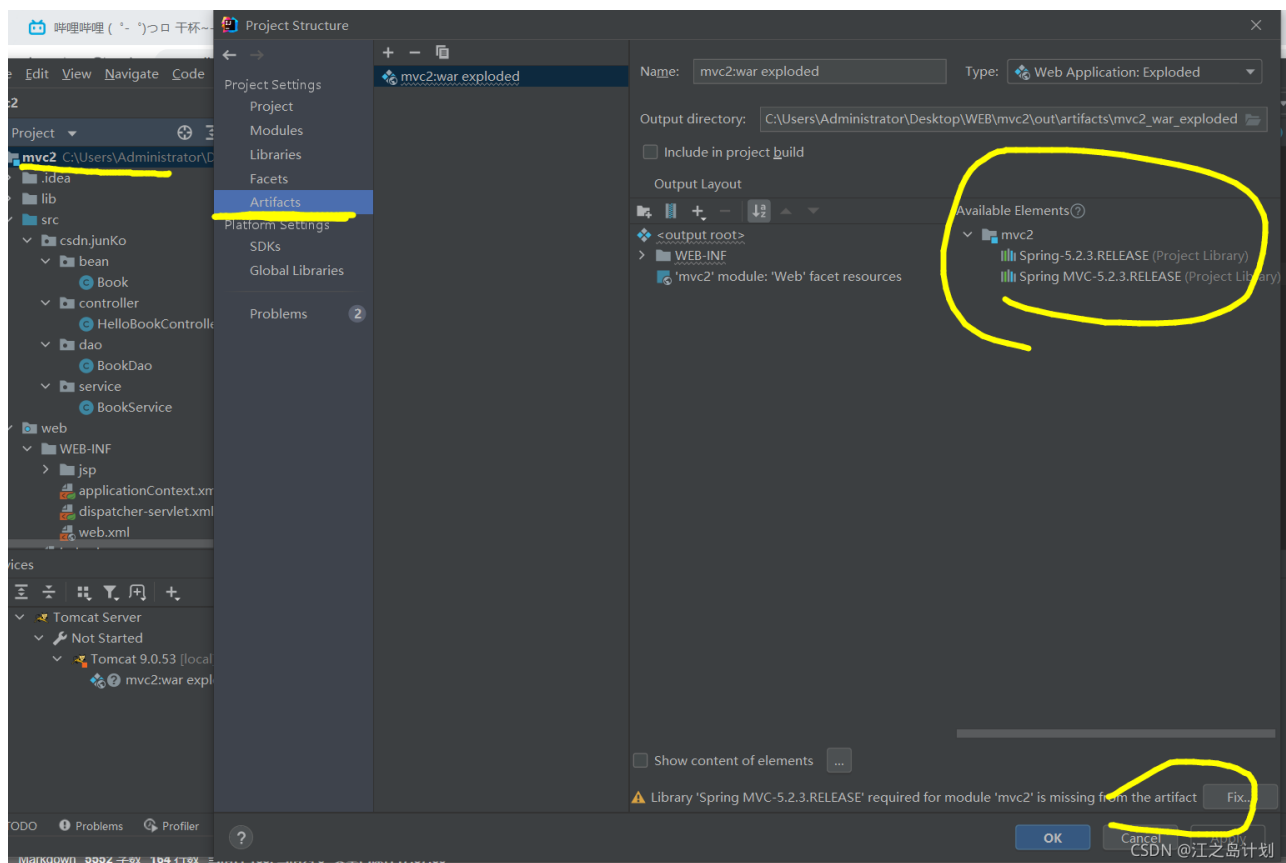


结果：

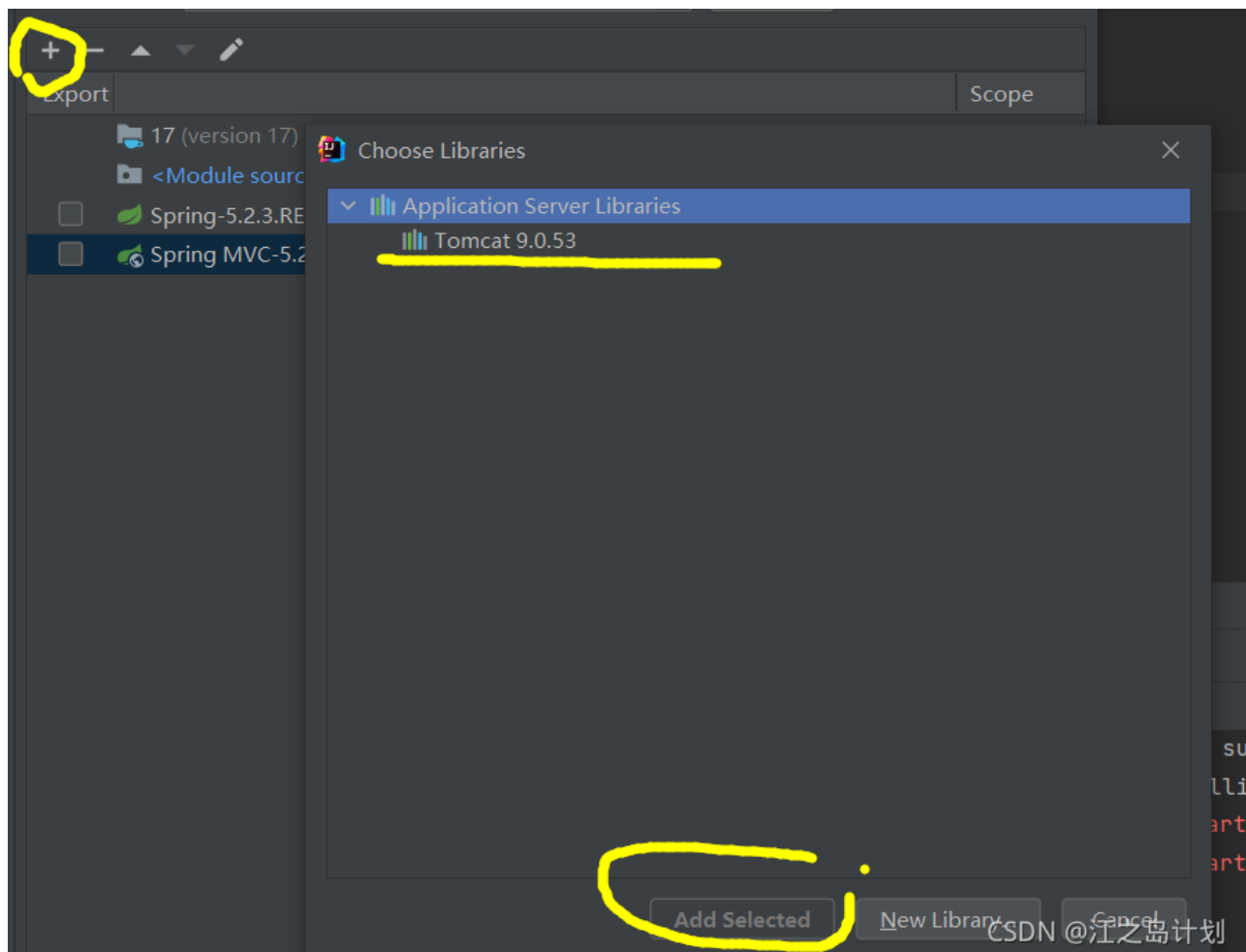


7.ProjectStructure设置

左键项目，按键盘F4，选择artifact双击右面两个或者按fix



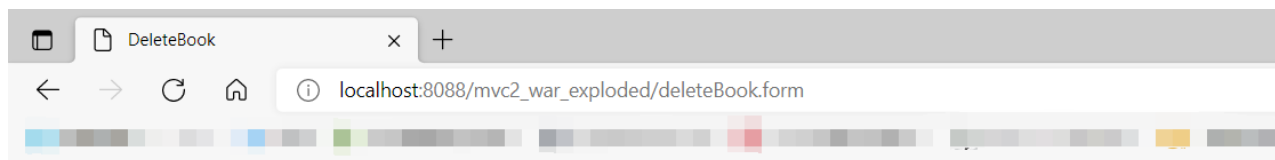
此外，还要去把tomcat的库add进来，不然没法启动
加号->add Library



8.启动服务器，访问/deletebook.form

之所以有form后缀，因为web.xml里如此配置

结果：



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附录：

配置文件内容

web.xml

```
<?xml version="1.0" encoding="UTF-8"?> <web-app xmlns="https://jakarta.ee/xml/ns/jakartaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="https://jakarta.ee/xml/ns/jakartaee https://jakarta.ee/xml/ns/jakartaee/web-
app_5_0.xsd" version="5.0"> <context-param> <param-name>contextConfigLocation</param-name> <param-
value>/WEB-INF/applicationContext.xml</param-value> </context-param> <listener> <listener-
class>org.springframework.web.context.ContextLoaderListener</listener-class> </listener> <servlet>
<servlet-name>dispatcher</servlet-name> <servlet-
class>org.springframework.web.servlet.DispatcherServlet</servlet-class> <init-param> <param-
name>contextConfigLocation</param-name> <param-value>WEB-INF/dispatcher-servlet.xml</param-value>
</init-param> <load-on-startup>1</load-on-startup> </servlet> <servlet-mapping> <servlet-
name>dispatcher</servlet-name> <url-pattern>*.form</url-pattern> </servlet-mapping> </web-app>
```



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applicationContext.xml

```
<?xml version="1.0" encoding="UTF-8"?> <beans xmlns="http://www.springframework.org/schema/beans"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:context="http://www.springframework.org/schema/context" xsi:schemaLocation=
"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-
beans.xsd http://www.springframework.org/schema/context
https://www.springframework.org/schema/context/spring-context.xsd"> <context:component-scan base-
package="csdn.junKo"></context:component-scan> <context:annotation-config></context:annotation-config>
</beans>
```

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dispatcher-servlet.xml

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

```
xmlns:mvc="http://www.springframework.org/schema/mvc"
xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://www.springframework.org/schema/context https://www.springframework.org/schema/context/spring-
context.xsd http://www.springframework.org/schema/mvc
https://www.springframework.org/schema/mvc/spring-mvc.xsd"> <context:component-scan base-
package="csdn.junKo"/> <mvc:annotation-driven/> <bean
class="org.springframework.web.servlet.view.InternalResourceViewResolver"
id="InternalResourceViewResolver"> <property name="prefix" value="/WEB-INF/jsp/"> <property
name="suffix" value=".jsp"/> </bean> </beans>
```

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