

# 10 SpringMVC-@InitBinder & 数据格式化

SpringMVC

## 一：@InitBinder描述

- 1、@InitBinder 标识的方法，可以对 WebDataBinder 对象进行初始化。WebDataBinder 是 DataBinder 的子类，用于完成由表单字段到 JavaBean 属性的绑定
- 2、@InitBinder方法不能有返回值，它必须声明为void
- 3、@InitBinder方法的参数通常是 WebDataBinder
- 4、让某个参数不进行

## 1、案列

### 1、controller层

```
1.     @RequestMapping("/testInitBinder")
2.     public String testInitBinder( Users  users){
3.         <!--在这里打印出的, name就不进行赋值了-->
4.         System.out.println("对象:"+users);
5.         //调用用Service层
6.         return "success";
7.     }
8.
9.     @InitBinder
10.    public void initBinder(WebDataBinder webdatabinder){
11.        /*在这里, name就不进行赋值了*/
12.        webdatabinder.setDisallowedFields("name");
13.    }
14.
15.    =====页面的数据请求=====
16.    <FORM ACTION="testInitBinder" METHOD="post">
```

```
17.     <INPUT TYPE="text" VALUE="1" NAME="id"><br/>
18.     <INPUT TYPE="text" VALUE="小李" NAME="name"><br/>
19.     <input type="submit" value="submit">
20. </FORM>
```

## 二：数据格式化描述

- 1、对属性对象的输入/输出进行格式化，从其本质上讲依然属于“类型转换”的范畴
- 2、FormattingConversionServiceFactroyBean 内部已经注册了
  - NumberFormatAnnotationFormatterFactroy：支持对数字类型的属性使用 @NumberFormat 注解
  - JodaDateTimeFormatAnnotationFormatterFactroy：支持对日期类型的属性使用 @DateTimeFormat 注解
- 3、在 Spring MVC 入参绑定及模型数据输出时使用注解驱动了 `<mvc:annotation-driven/>` 默认创建的ConversionService实例即为 FormattingConversionServiceFactroyBean

### 1、日期格式化@DateTimeFormat

- 1、pattern 属性：
  - 类型为字符串。指定解析/格式化字段数据的模式，如："yyyy-MM-dd hh:mm:ss"
- 2、实体类

```
1. public class Users {
2.     private Integer id;
3.     @DateTimeFormat(pattern = "yyyy-MM-dd")
4.     private Date birth;
5.     //对应个get set toString
```

### 3、controller层

```

1.     @RequestMapping("/testDateTimeFormat")
2.     public String testDateTimeFormat(Users users){
3.         System.out.println("users对象:"+users);
4.         //调用Service层
5.         return "success";
6.     }

```

## 4、页面

```

1.     <FORM ACTION="testDateTimeFormat" METHOD="post">
2.         <INPUT TYPE="text" VALUE="1" NAME="id"><br/>
3.         <INPUT TYPE="text" VALUE="2019-2-1" NAME="birth"><br/>
4.         <input type="submit" value="submit">
5.     </FORM>

```

## 5、spring.xml文件配置，注意一定要配置

```

1.     <!--使用SpringMVC默认的-->
2.     <mvc:annotation-driven ></mvc:annotation-driven>

```

## 6、结果

```

信息: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logg
四月 15, 2019 3:28:38 下午 org.apache.catalina.startup.HostConfig deployDirectory
信息: Deploying web application directory D:\TomCat\apache-tomcat-7.0.57\webapps\manager
四月 15, 2019 3:28:38 下午 org.apache.catalina.startup.HostConfig deployDirectory
信息: Deployment of web application directory D:\TomCat\apache-tomcat-7.0.57\webapps\manager has fini
users对象:Users{id=1, birth=Fri Feb 01 00:00:00 GMT+08:00 2019, name='null', age=null, person=null}

```

## 2、数值格式化@NumberFormat

- 1、@NumberFormat 可对类似数字类型的属性进行标注
- 2、pattern：类型  
--自定义样式，如patter="#,###"；
- 3、实体类，其他如上

```

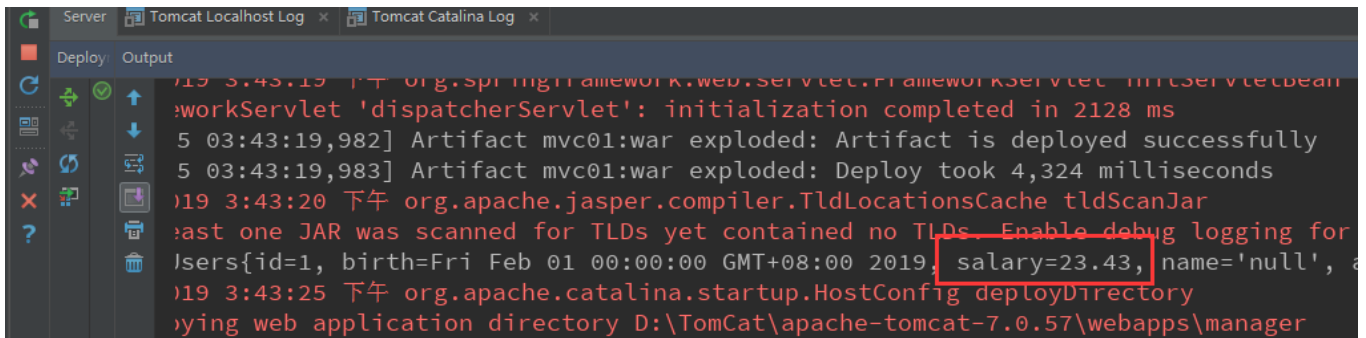
1.     public class Users {

```

```

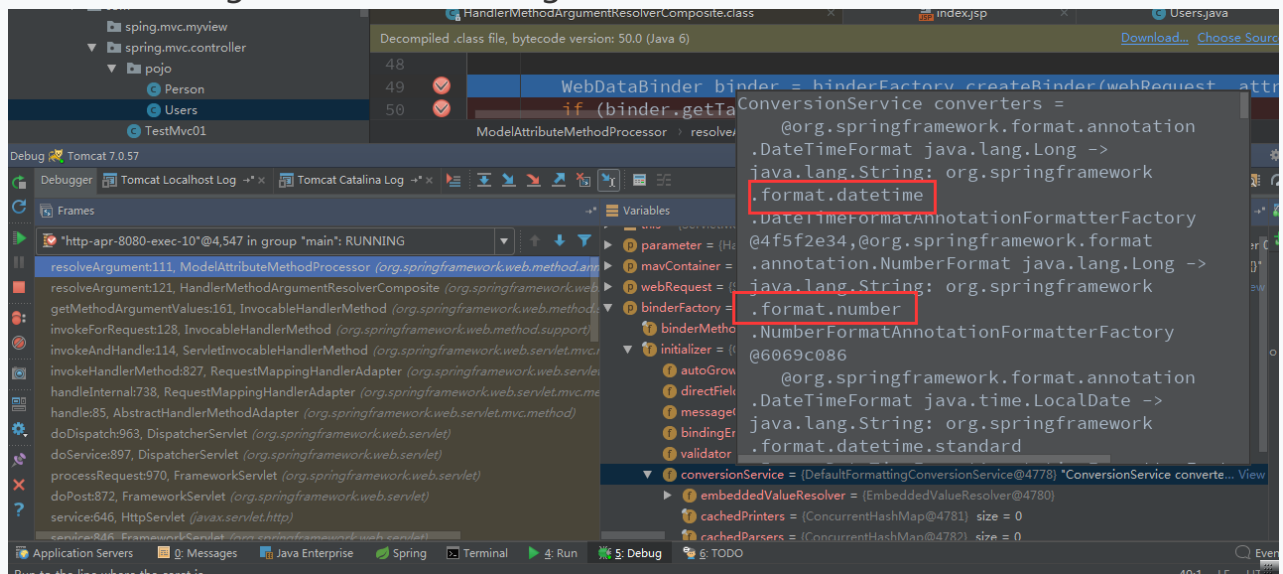
2.     private Integer id;
3.     @DateTimeFormat(pattern = "yyyy-MM-dd")
4.     private Date birth;
5.     @NumberFormat(pattern = "#,####,####")
6.     private float salary;
7.     //对应个get set toString

```



### 3、源码解析

#### 1、在实体类的get set属性上打上Dug



### 4、结合自定义的conversionService

#### 1、需要将ConversionServiceFactoryBean改为FormattingConversionServiceFactoryBean

```

1.     <mvc:annotation-driven conversion-service="conversionService" ></m

```

```

1.      vc:annotation-driven>
2.          <!--配置FormattingConversionServiceFactoryBean -->
3.          <bean
4.              class="org.springframework.format.support.FormattingConversionServiceFact
5.                  oryBean"
6.              id="conversionService">
7.                  <property name="converters">
8.                      <set>
9.                          <ref bean="thisConversionService"/>
10.                     </set>
11.                 </property>
12.             </bean>

```

## 2、执行结果

```
ntrollerAdvice: WebApplicationContext for namespace 'dispatcherServlet-servlet': startup date [Mo  
下午 org.springframework.web.servlet.FrameworkServlet initServletBean  
t 'dispatcherServlet': initialization completed in 2350 ms  
下午 org.apache.jasper.compiler.TldLocationsCache tldScanJar  
r was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete  
下午 org.apache.catalina.startup.HostConfig deployDirectory  
pplication directory D:\TomCat\apache-tomcat-7.0.57\webapps\manager  
下午 org.apache.catalina.startup.HostConfig deployDirectory  
web application directory D:\TomCat\apache-tomcat-7.0.57\webapps\manager has finished in 157 ms  
birth=Fri Feb 01 00:00:00 GMT+08:00 2019, salary=23.43, name='null', age=null, person=null}
```