Spring mvc:

1. Khai báo file pom dùng server jetty và build in maven:

<build>

<finalName>Lab3\_SpringMVC</finalName>

<sourceDirectory>src/main/java</sourceDirectory>

<testSourceDirectory>src/test/java</testSourceDirectory>

<resources>

<resource>

<directory>src/main/resources</directory>

</resource>

</resources>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

<encoding>UTF-8</encoding>

</configuration>

</plugin>

<plugin>

<groupId>org.eclipse.jetty</groupId>

<artifactId>jetty-maven-plugin</artifactId>

<version>9.2.15.v20160210</version>

</plugin>

</plugins>

</build>

1. Build lại project = mvn clean install

Chạy server jetty: mvn jetty:run

1. Tạo dispatcher:

<context:component-scan base-package="edu.java.spring.controller"/>

<bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">

<property name="suffix" value=".jsp"></property>

</bean>

Khai báo file web.xml về dispatcher mẫu:

<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee

http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd"

version="3.1">

<display-name>Spring MVC WEB APPlication</display-name>

<servlet>

<servlet-name>hanoi-dispatcher</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>hanoi-dispatcher</servlet-name>

<url-pattern>/</url-pattern>

</servlet-mapping>

</web-app>

1. Dùng model view chuyển trang:

Đường dẫn sẽ /welcome và trong jsp dùng ${name} gọi biến

@RequestMapping(value="welcome",method = RequestMethod.GET)

public ModelAndView printMessage(){

ModelAndView mv = new ModelAndView();

mv.setViewName("index");// chuyển đến trang index

mv.addObject("name"," Ngoc Trinh");

return mv;

}

Dùng redirect sang trang khác:

@RequestMapping(value="site",method=RequestMethod.GET)

public String redirect(){

return "redirect:http://moom.vn";

}

1. Service lấy về text:

@RequestMapping(value="data",method=RequestMethod.GET,produces=MediaType.TEXT\_PLAIN\_VALUE)

public @ResponseBody String raw(){

return "Xin chao moi nguoi!";

}

1. Khi thêm một trường mới vào tài liệu dispatcher:

ví dụ thêm: xmlns:mvc=<http://www.springframework.org/schema/mvc>

thì trong schemalocation phải có tương ứng:

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans-4.2.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context-4.2.xsd

http://www.springframework.org/schema/mvc

<http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd>">

viết phải giống y hệt cả dấu /

để chỉ ra file resource chưa html

<mvc:annotation-driven/>

<mvc:resources mapping="/resources/\*\*" location="/resources/"/>

1. 1 simple về luồng:

@Controller

public class StudentController {

@RequestMapping(value = "student/add",method = RequestMethod.GET)

public ModelAndView add(){

return new ModelAndView("student.form","command",new Student());

}

@RequestMapping(value = "student/save",method = RequestMethod.POST)

public ModelAndView save(@RequestParam(value = "name",required=false) String name,@RequestParam(value="age",required=false) int age){

ModelAndView mv = new ModelAndView();

Student student = new Student(name,age);

mv.setViewName("student.view");

mv.addObject("student",student);

return mv;

}

}

Vào trang student/add sẽ qua controller add , controller add điều hướng qua student.form.jsp, rồi từ student.form ấn submit thì điều hướng qua save controller, save controller điều hướng qua student.view hiển thị.

Trong student.form action sẽ đc chỉ ra là save, ở đây có sử dụng jstl:

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<%@taglib uri="http://www.springframework.org/tags/form" prefix="form" %>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<h2>Please input student information</h2>

<form method="POST" action="save">

<table>

<tr>

<td>Name:</td>

<!-- <td><input name="name" type="text"></td>-->

<td><form:input path="command.name"/></td>

</tr>

<tr>

<td>Age:</td>

<!--<td><input name="age" type="text"/></td>-->

<td><form:input path="command.age" type="number"/></td>

</tr>

<tr>

<td colspan="2">

<input type="submit" value="Submit"/>

</td>

</tr>

</table>

</form>

</body>

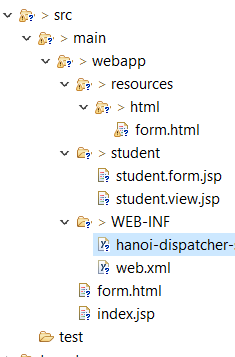
Còn trog student.view:

<body>

Name:${student.name}

<br/>

</body>



Cách đặt file.

1. Dùng BindingResult cho lỗi:

@RequestMapping(value = "student/save",method = RequestMethod.POST)

public ModelAndView save(@Valid @ModelAttribute("command") Student student,BindingResult result){

ModelAndView mv = new ModelAndView("student.form","command",student);

if(result.hasErrors()){

mv.addObject("errors",result);

return mv;

}

return mv;

}

<form:errors path="command.name">

1. Dùng message cho lỗi thẳng vào object:

@NotBlank

@Size(min=2,max=100,message="Can nhap 2->100 ki tu")

private String name;

viết thẳng mess vào obj

1. Dùng file properties riêng . config dispatcher để dùng đc file messages riêng:

<bean class="org.springframework.context.support.ResourceBundleMessageSource" id="messageSource">

<property name="basename" value="messages"></property>

</bean>

Tạo file:



Bên trong:

#{ValidationClass}.{modelObjectName}.{field}

Size.command.name=Canh bao:2->100

Range.command.age=Canh bao:tuoi khong dung!

NotBlank=Khong de trong.

Tương ứng với student:

public class Student {

private int id;

@NotBlank

@Size(min=2,max=100)

private String name;

@Range(min=1,max=150)

private int age;

cách hiển thị trong form như 8) <form:errors path="command.name"></form:errors>