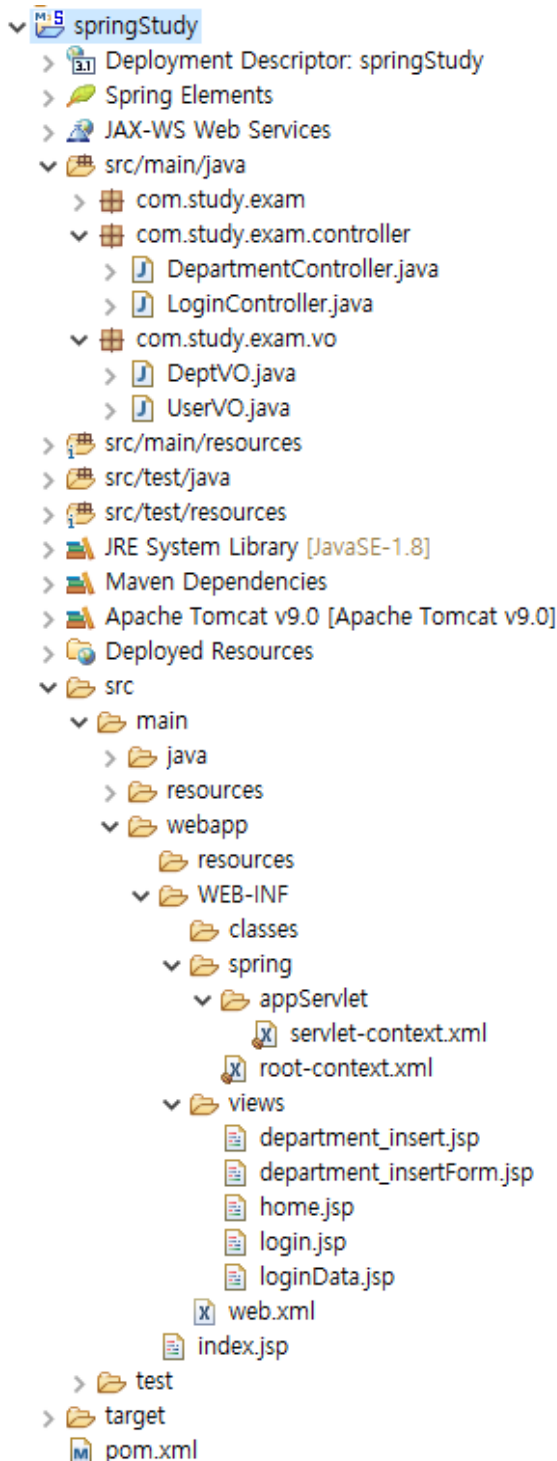


## 19. 스프링 웹 MVC 로그인 예제

Project name : springStudy

패키지 : com.study.exam

자바 버전과 스프링 버전은 앞에서 진행했던 것과 같이 설정한다.



http://localhost:8080/exam/login.do

The screenshot shows the '로그인 입력 화면' (Login Input Page) in a web browser. It contains a form with two input fields: '아이디' (ID) and '비밀번호' (Password), and a '로그인' (Login) button.

The screenshot shows the '로그인 입력 데이터' (Login Input Data) page in a web browser. It displays the input data in a table:

아이디 :	loginid
비밀번호 :	123456

http://localhost:8080/exam/department\_insertForm.do

The screenshot shows the '학과 테이블' (Department Table) page in a web browser. It contains a form titled '학과 테이블 [Spring]' with three input fields: '학과코드' (Department Code), '학과명' (Department Name), and '전화번호' (Phone Number), and a '등록' (Register) button.

The screenshot shows the '학과 테이블' (Department Table) page in a web browser. It displays the input data in a table:

학과 테이블에 입력된 데이터입니다.	
학과코드	경영
학과명	경영학과
전화번호	02-987-1234

#### UserVO.java

```
package com.study.exam.vo;

public class UserVO {
    private String m_uid;
    private String m_pwd;

    public String getM_uid() {
        return m_uid;
    }
    public void setM_uid(String m_uid) {
        this.m_uid = m_uid;
    }
    public String getM_pwd() {
        return m_pwd;
    }
    public void setM_pwd(String m_pwd) {
        this.m_pwd = m_pwd;
    }
}
```

#### LoginController.java

```
package com.study.exam.controller;

import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import com.study.exam.vo.UserVO;

@Controller
@RequestMapping(value = "login")
public class LoginController {
    @RequestMapping(method = RequestMethod.GET)
    public String loginForm(Model model) {
        model.addAttribute("userVO", new UserVO());
        return "login";
    }
    @RequestMapping(method = RequestMethod.POST)
    public String onSubmit(@ModelAttribute("userVO") UserVO userVO) {
        System.out.println("onSubmit 구현 메서드 입니다.");
    }
}
```

```

        return "loginData";
    }
}

```

views\login.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib prefix="form" uri="http://www.springframework.org/tags/form"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8"><title>로그인 입력 화면</title>
<style type="text/css">
div {
    font: 12px "굴림";
}
</style>
</head>
<body>
    <div align="center" class="body">
        <h3>로그인 입력 화면</h3>
        <%-- 스프링 4.x --%>
        <%-- <form:form commandName="userVO" method="POST"> --%>
        <%-- 스프링 5.x --%>
        <form:form modelAttribute="userVO" method="POST">
            <table width="250" border="1">
                <tr>
                    <th>아이디</th>
                    <td><form:input path="m_uid" /></td>
                </tr>
                <tr>
                    <th>비밀번호</th>
                    <td><form:password path="m_pwd" /></td>
                </tr>
                <tr>
                    <td colspan="2" align="center"><input type="submit"
                        value="로그인"></td>
                </tr>
            </table>
        </form:form>
    </div>
</body>

```

```
</html>
```

views\loginData.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>로그인 확인 화면</title>
</head>
<body>
    <div align="center" class="body">
        <h3>로그인 입력 데이터</h3>
        <table width="250" border="1">
            <tr>
                <td>아이디 :</td>
                <td align="center"><b>${userVO.m_uid}</b></td>
            </tr>
            <tr>
                <td>비밀번호 :</td>
                <td align="center"><b>${userVO.m_pwd}</b></td>
            </tr>
        </table>
    </div>
</body>
</html>
```

DeptVO.java

```
package com.study.exam.vo;

public class DeptVO {
    private String    deptid="";
    private String    deptname="";
    private String    depttel="";
    public String getDeptid() {
        return deptid;
    }
    public void setDeptid(String deptid) {
        this.deptid = deptid;
    }
}
```

```

    public String getDeptname() {
        return deptname;
    }
    public void setDeptname(String deptname) {
        this.deptname = deptname;
    }
    public String getDepttel() {
        return depttel;
    }
    public void setDepttel(String depttel) {
        this.depttel = depttel;
    }
}

```

#### DepartmentController.java

```

package com.study.exam.controller;

import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import com.study.exam.vo.DeptVO;

/* 컨트롤러 */
@Controller
public class DepartmentController {
    @RequestMapping(value = "/department_insertForm.do", method = RequestMethod.GET)
    public String department_insertForm() {
        return "/department_insertForm";
    }
    @RequestMapping(value = "/department_insert.do", method = RequestMethod.POST)
    public String department_insert(DeptVO dvo, Model model) {
        model.addAttribute("dvo", dvo);
        return "/department_insert";
    }
}

```

#### views\department\_insertForm.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>

```

```

<head>
<meta charset="UTF-8">
<title>학과 테이블</title>
<style type="text/css">
.required {
    color: red;
}
</style>
<script type="text/javascript">
    function insertData() {
        if (!validateForm())
            return;
        if (confirm('등록을 진행하시겠습니까?')) {
            deptForm.action = "department_insert.do";
            deptForm.submit();
        }
    }
    function validateForm() {
        if (deptForm.deptid.value.replace(/Ws/g, "") == "") {
            alert('학과코드를 입력해주세요.');
```

return false;

```
        }
        if (deptForm.deptname.value.replace(/Ws/g, "") == "") {
            alert('학과명을 입력해주세요.');
```

return false;

```
        }
        return true;
    }
</script>
</head>
<body>
    <div>
        <form id="deptForm" name="deptForm" method="post">
            <table border="1">
                <thead>
                    <tr>
                        <td colspan="2" align="center">
                            <h4>학과 테이블 [Spring]</h4>
                        </td>
                    </tr>
                </thead>
                <tbody>

```

```

        <tr>
            <th width="100">
                <span class="required">*</span>학과코드</th>
            <td width="300">
                <input type="text" id="deptid" name="deptid" size="52" />
            </td>
        </tr>
        <tr>
            <th>
                <span class="required">*</span>학과명</th>
            <td>
                <input type="text" id="deptname" name="deptname" size="52" />
            </td>
        </tr>
        <tr>
            <th>
                <span class="required">*</span>전화번호</th>
            <td>
                <input type="text" id="depttel" name="depttel" size="52" />
            </td>
        </tr>
        <tr>
            <td colspan="2" align="center">
                <input type="button" id="Insert" value="등록" onclick="insertData()" />
            </td>
        </tr>
    </tbody>
</table>
</form>
</div>
</body>
</html>

```

views#department\_insert.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>학과 테이블</title>
<style type="text/css">
.required {

```

```

        color: red;
    }
</style>
</head>
<body>
    <div>
        <table border="1">
            <thead>
                <tr>
                    <td colspan="2" align="center">
                        <h4>학과 테이블에 입력된 데이터입니다.</h4>
                    </td>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <th width="100">
                        <span class="required">*</span>학과코드</th>
                    <td width="300">${dvo.deptid}</td>
                </tr>
                <tr>
                    <th><span class="required">*</span>학과명</th>
                    <td>${dvo.deptname}</td>
                </tr>
                <tr>
                    <th><span class="required">*</span>전화번호</th>
                    <td>${dvo.depttel}</td>
                </tr>
            </tbody>
        </table>
    </div>
</body>
</html>

```

webapp\index.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>스프링 MVC 메인</title>
</head>

```

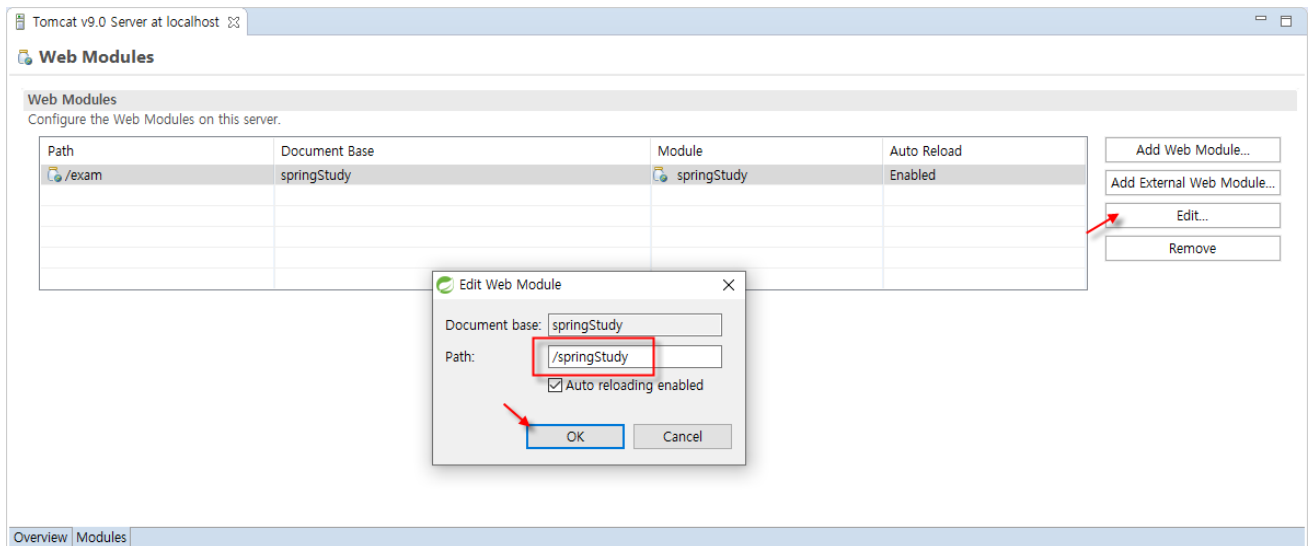


```

<body>
    <!-- <a href="helloWorld.do">HelloWorld 실행 </a> -->
    <% response.sendRedirect("login.do"); %>
    <%-- <% response.sendRedirect("department_insertForm.do"); %> --%>
</body>
</html>

```

## 경로 설정



## web.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app version="3.1" xmlns="http://java.sun.com/xml/ns/javaee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://JAVA.sun.com/xml/ns/javaee
https://java.sun.com/xml/ns/javaee/web-app_3_1.xsd">

    <!-- The definition of the Root Spring Container shared by all Servlets and Filters -->
    <context-param>
        <param-name>contextConfigLocation</param-name>
        <param-value>/WEB-INF/spring/root-context.xml</param-value>
    </context-param>

    <!-- Creates the Spring Container shared by all Servlets and Filters -->
    <listener>
        <listener-class>org.springframework.web.context.ContextLoaderListener</listener-
class>
    </listener>

    <!-- Processes application requests -->
    <servlet>

```

```

        <servlet-name>appServlet</servlet-name>
        <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
        <init-param>
            <param-name>contextConfigLocation</param-name>
            <param-value>/WEB-INF/spring/appServlet/servlet-context.xml</param-
value>

        </init-param>
        <load-on-startup>1</load-on-startup>
    </servlet>

    <servlet-mapping>
        <servlet-name>appServlet</servlet-name>
        <url-pattern>*.do</url-pattern>
    </servlet-mapping>
    <!-- 한글 처리를 위한 UTF-8 필터 등록 -->
    <filter>
        <filter-name>encodingFilter</filter-name>
        <filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>
        <init-param>
            <param-name>encoding</param-name>
            <param-value>UTF-8</param-value>
        </init-param>
    </filter>
    <filter-mapping>
        <filter-name>encodingFilter</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
</web-app>

```