[0703]usebean게시판

💡 MVC 2 패턴을 이용 + usebean을 이용해서 게시판을 만들자

- com.mvc.controller.MVCServlet.java

```java
package com.mvc.controller;

import java.io.IOException;
import java.io.PrintWriter;
import java.util.List;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.mvc.model.biz.MVCBiz;
import com.mvc.model.biz.MVCBizImpl;
import com.mvc.model.dao.MVCDao;
import com.mvc.model.dao.MVCDaoImpl;
import com.mvc.model.dto.MVCDto;


@WebServlet("/MVCServlet")
public class MVCServlet extends HttpServlet {
  private static final long serialVersionUID = 1L;

    public MVCServlet() {
        // web.xml에서 controller.do를 통해 MVCServlet이 요청을 처리하도록 하자
    }


  protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    doPost(request,response);
  }


  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    request.setCharacterEncoding("utf-8");
    response.setContentType("text/html; charset=utf-8;");

    String command = request.getParameter("command");
    System.out.println("["+command+"]");
    PrintWriter out = response.getWriter();

    MVCBiz biz = new MVCBizImpl();
    if(command.equals("list")){
      List<MVCDto> list = biz.selectList();
      request.setAttribute("list", list);
      dispatch("boardlist.jsp",request,response);
    }if(command.equals("detail")) {
      int seq = Integer.parseInt(request.getParameter("seq"));
      MVCDto dto = biz.selectOne(seq);
      request.setAttribute("dto",dto);
      dispatch("boarddetail.jsp", request, response);

    }if(command.equals("insert")) {
      response.sendRedirect("insertform.jsp");
    }if(command.equals("insertres")) {
      MVCDto dto = new MVCDto(0, request.getParameter("writer"), request.getParameter("title"), request.getParameter("content")
      int res = biz.insert(dto);
//  response.sendRedirect("controller.do?command=list");
      if(res > 0) {
        jsResponse("작성되었습니다.", "controller.do?command=list", response);
      }else {
        jsResponse("작성실패","controller.do?command=insert", response);

      }
    }if(command.equals("update")) {
      int seq = Integer.parseInt(request.getParameter("seq"));
      MVCDto dto = biz.selectOne(seq);
      request.setAttribute("dto", dto);
      dispatch("updateform.jsp", request, response);
    }if(command.equals("updateres")) {
      int seq = Integer.parseInt(request.getParameter("seq"));
      MVCDto dto = new MVCDto(seq, request.getParameter("writer"), request.getParameter("title"), request.getParameter("content
```

```java
        int res = biz.update(dto);
        if(res > 0) {
          jsResponse("수정되었습니다.","controller.do?command=list",response);
        }else {
          jsResponse("수정 실패","controller.do?command=list",response);
        }
      }if(command.equals("delete")) {
        int seq = Integer.parseInt(request.getParameter("seq"));
        int res = biz.delete(seq);
        if(res > 0) {
          jsResponse("삭제되었습니다.","controller.do?command=list",response);
        }else {
          jsResponse("삭제 실패","controller.do?command=list",response);
        }
      }

      out.print("<h1 style='color:red;'>아 잘못왔다.<h1>");
  }

  public void dispatch(String url, HttpServletRequest request, HttpServletResponse response) throws ServletException, IOExcepti
    RequestDispatcher dispatch = request.getRequestDispatcher(url);
    dispatch.forward(request, response);
  }

  public void jsResponse(String msg, String url, HttpServletResponse response) throws IOException {
    String s = "<script type='text/javascript'>"+
        "alert('"+msg+"');"+
        "location.href='"+url+"';"+
        "</script>";

    response.getWriter().append(s);
  }
}
```

- index.jsp

```jsp
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <a href="controller.do?command=list">글목록</a>
</body>
</html>
```

localhost:8787/Jsp08_MVC02/

글목록

- boardlist.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%
  request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");
%>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <h1>글 목록</h1>
  <table border="1" style="border-collapse:collapse">
    <colgroup>
      <col width="30">
      <col width="50">
      <col width="100">
      <col width="300">
      <col width="100">
```

```
        </colgroup>
        <tr>
          <th><input type="checkbox" name="chkAll"/></th>
          <th>번  호</th>
          <th>작성자</th>
          <th>제  목</th>
          <th>작성일</th>
        </tr>
        <c:choose>
          <c:when test="${empty list }">
            <tr>
              <td colspan="4" style="text-align:center">작성된 글이 존재하지 않습니다</td>
            </tr>
          </c:when>
          <c:otherwise>
            <c:forEach items="${list }" var="dto">
              <tr>
                <td><input type="checkbox" name="chk" style="text-align:center"/></td>
                <td>${dto.seq }</td>
                <td>${dto.writer }</td>
                <td><a href="controller.do?command=detail&seq=${dto.seq }">${dto.title }</a></td>
                <td>${dto.regdate }</td>
              </tr>
            </c:forEach>
          </c:otherwise>
        </c:choose>
        <tr>
          <td colspan="5" align="right">
            <input type="button" value="글쓰기" onclick="location.href='controller.do?command=insert'">
          </td>
        </tr>
      </table>
  </body>
</html>
```
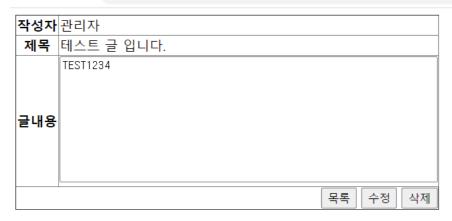
localhost:8787/Jsp08_MVC02/controller.do?command=list

글 목록

☐	번 호	작성자	제 목	작성일
☐	1	관리자	테스트 글 입니다.	2020-07-03
☐	3	강여림	테스트01_2	2020-07-03
☐	6	강려림	테스트04	2020-07-03
☐	8	테숫흐	테스트100	2020-07-05
				글쓰기

- boarddetail.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <!-- jsp:useBean 사용하기 (el 금지) -->
  <jsp:useBean id="dto" class="com.mvc.model.dto.MVCDto" scope="request"></jsp:useBean>
  <form action="controller.do" method="post">
  <input type="hidden" name="command" value="update">
  <input type="hidden" name="seq" value="<jsp:getProperty property='seq' name='dto'/>">
  <table border="1"  style="border-collapse:collapse">
    <tr>
      <th>작성자</th>
      <td><jsp:getProperty property="writer" name="dto"/></td>
```

```
      </tr>
      <tr>
        <th>제목</th>
        <td>
          <jsp:getProperty property="title" name="dto"/>
        </td>
      </tr>
      <tr>
        <th>글내용</th>
        <td>
          <textarea rows="10" cols="60" name="content" style="resize:none"><jsp:getProperty property="content" name="dto"/></text
        </td>
      </tr>
      <tr>
        <td colspan="3" align="right">
          <input type="button" value="목록" onclick="location.href='controller.do?command=list'"/>
          <input type="submit" value="수정"/>
          <input type="button" value="삭제" onclick="location.href='controller.do?command=delete&seq='+<jsp:getProperty property='
        </td>
      </tr>
    </table>
    </form>
</body>
</html>
*
```
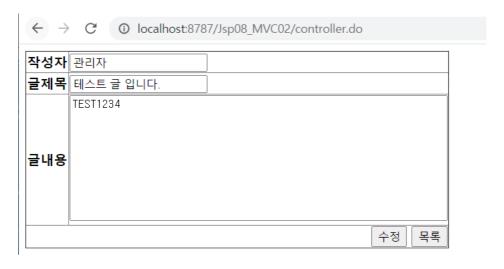
localhost:8787/Jsp08_MVC02/controller.do?command=detail&seq=1

작성자	관리자
제목	테스트 글 입니다.
글내용	TEST1234

목록 수정 삭제

- boardupdateform.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <jsp:useBean id="dto" class="com.mvc.model.dto.MVCDto" scope="request"></jsp:useBean>
  <form action="controller.do" method="post">
  <input type="hidden" name="command" value="updateres">
  <input type="hidden" name="seq" value="<jsp:getProperty property='seq' name='dto'/>">
    <table border="1"  style="border-collapse:collapse">
      <tr>
        <th>작성자</th>
        <td><input type="text" name="writer" readonly="readonly" value="<jsp:getProperty property='writer' name='dto'/>"></td>
      </tr>
      <tr>
        <th>글제목</th>
        <td><input type="text" name="title" value="<jsp:getProperty property='title' name='dto'/>"></td>
      </tr>
      <tr>
        <th>글내용</th>
        <td><textarea rows="10" cols="60" name="content" style="resize:none"><jsp:getProperty property="content" name="dto"/></
      </tr>
      <tr>
```

```
          <td colspan="2" align="right">
            <input type="submit" value="수정">
            <input type="button" value="목록" onclick="location.href='contoller.do?command=list'">
          </td>
        </tr>
      </table>
    </form>
  </body>
</html>
```


- insertform.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>
  <form action="controller.do" method="post">
  <input type="hidden" name="command" value="insertres">
    <table border="1"  style="border-collapse:collapse">
      <tr>
        <th>작성자</th>
        <td><input type="text" name="writer"></td>
      </tr>
      <tr>
        <th>글제목</th>
        <td><input type="text" name="title"></td>
      </tr>
      <tr>
        <th>글내용</th>
        <td><textarea rows="10" cols="60" name="content" style="resize:none"></textarea></td>
      </tr>
      <tr>
        <td colspan="2" align="right">
          <input type="submit" value="작성">
```
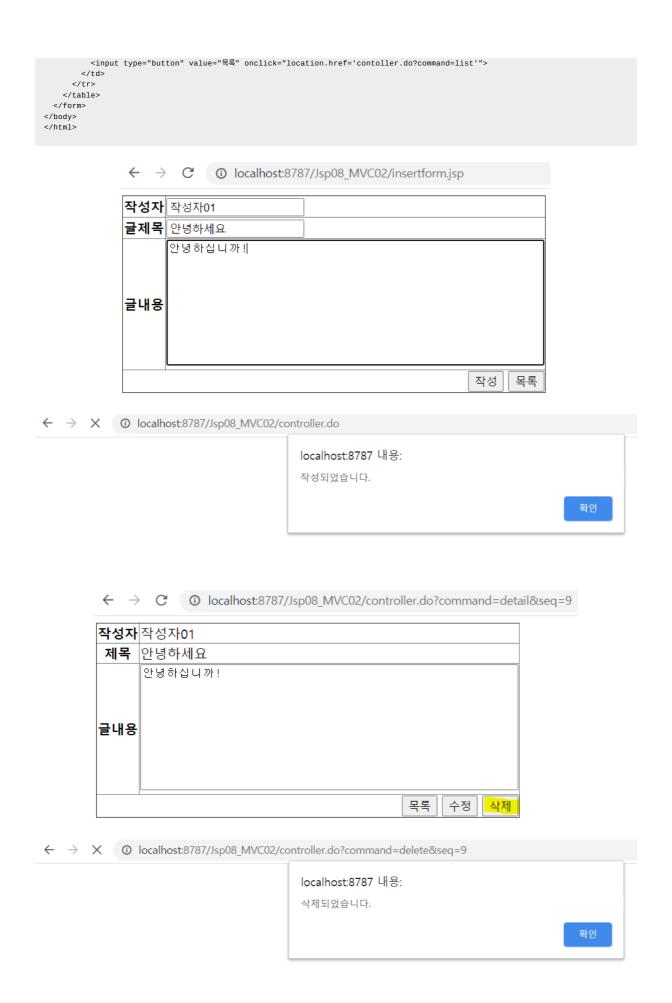
```
            <input type="button" value="목록" onclick="location.href='contoller.do?command=list'">
        </td>
    </tr>
  </table>
 </form>
</body>
</html>
```

← → C ⓘ localhost:8787/Jsp08_MVC02/insertform.jsp

작성자	작성자01
글제목	안녕하세요
글내용	안녕하십니까!|

작성   목록

← → X ⓘ localhost:8787/Jsp08_MVC02/controller.do

localhost:8787 내용:
작성되었습니다.

확인

← → C ⓘ localhost:8787/Jsp08_MVC02/controller.do?command=detail&seq=9

작성자	작성자01
제목	안녕하세요
글내용	안녕하십니까!

목록   수정   삭제

← → X ⓘ localhost:8787/Jsp08_MVC02/controller.do?command=delete&seq=9

localhost:8787 내용:
삭제되었습니다.

확인

글 목록

☐	번 호	작성자	제 목	작성일
☐	1	관리자	테스트 글 입니다.	2020-07-03
☐	6	강려림	테스트04	2020-07-03
☐	8	테슷흐	테스트100	2020-07-05
				글쓰기