

Spring Board 1

게시판

| C R U D

Table

Table: board	
Columns:	
<u>bid</u>	int AI PK
bpid	varchar(45)
btitle	varchar(45)
bcontent	longtext
bwriter	varchar(45)
bview	int
blike	int
bhate	int
bdate	timestamp

```
CREATE TABLE `board` (  
  `bid` int NOT NULL AUTO_INCREMENT,  
  `bpid` varchar(45) DEFAULT NULL,  
  `btitle` varchar(45) DEFAULT NULL,  
  `bcontent` longtext,  
  `bwriter` varchar(45) DEFAULT NULL,  
  `bview` int DEFAULT NULL,  
  `blike` int DEFAULT NULL,  
  `bhate` int DEFAULT NULL,  
  `bdate` timestamp NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,  
  PRIMARY KEY (`bid`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

Board

```
package com.carshop.board;  
  
public class Board {  
  
    private int bid, bview, blike, bhate;  
  
    private String bpid, btitle, bcontent, bwriter, bdate;  
  
    public int getBid() {  
        return bid;  
    }  
  
    public void setBid(int bid) {  
        this.bid = bid;  
    }  
}
```

```

    }

    public int getBview() {
        return bview;
    }

    public void setBview(int bview) {
        this.bview = bview;
    }

    public int getBlike() {
        return blike;
    }

    public void setBlike(int blike) {
        this.blike = blike;
    }

    public int getBhate() {
        return bhate;
    }

    public void setBhate(int bhate) {
        this.bhate = bhate;
    }

    public String getBpid() {
        return bpid;
    }

    public void setBpid(String bpid) {
        this.bpid = bpid;
    }

    public String getBtitle() {
        return btitle;
    }

    public void setBtitle(String btitle) {
        this.btitle = btitle;
    }

    public String getBcontent() {
        return bcontent;
    }

    public void setBcontent(String bcontent) {
        this.bcontent = bcontent;
    }

    public String getBwriter() {
        return bwriter;
    }

    public void setBwriter(String bwriter) {
        this.bwriter = bwriter;
    }

    public String getBdate() {
        return bdate;
    }

    public void setBdate(String bdate) {
        this.bdate = bdate;
    }

    public Board() {
    }

    public Board(int bid, int bview, int blike, int bhate, String bpid, String btitle, String bcontent, String bwriter,
        String bdate) {

        this.bid = bid;
        this.bview = bview;
        this.blike = blike;

```

```

        this.bhate = bhate;
        this.bpid = bpid;
        this.btitle = btitle;
        this.bcontent = bcontent;
        this.bwriter = bwriter;
        this.bdate = bdate;
    }
}

```

Mapper

board_SQL.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE mapper PUBLIC "-//mybatis.org/DTD Mapper 3.0//EN" "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
<mapper namespace="board">

</mapper>

```

CRUD

| 게시물 등록

Mapper

board_SQL.xml

```

<insert id="insert"
        parameterType="com.carshop.board.Board"
        useGeneratedKeys="true"
        keyProperty="bid">
    <![CDATA[
        INSERT INTO board
        (btitle, bcontent, bwriter)
        VALUES
        (#{btitle}, #{bcontent}, #{bwriter})
    ]]>
</insert>

```

Repository

```

void setNewBoard(Board board);
-----
@Autowired
SqlSessionTemplate sqlSessionTemplate;

@Override
public void setNewBoard(Board board) {
    this.sqlSessionTemplate.insert("board.insert", board);
}

```

Service

```

void setNewBoard(Board board);
-----
@Autowired
BoardRepository boardRepository;

@Override
public void setNewBoard(Board board) {
    boardRepository.setNewBoard(board);
}

```

Controller

```

@Autowired
BoardService boardService;

@Autowired
BCryptPasswordEncoder bCryptPasswordEncoder;

@GetMapping("/addBoard")
public String requestAddBoardForm(@ModelAttribute("NewBoard") Board board) { //다 바뀜
    return "boards/addBoard";
}

@PostMapping("/addBoard")
public String submitAddBoardForm(@ModelAttribute("NewBoard") Board board) {
    boardService.setNewBoard(board);
    return "redirect:/boards/list";
}

```

View

jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Add Board</title>
</head>
<body>
    <form:form modelAttribute="NewBoard"
        action="/addBoard?${_csrf.parameterName}=${_csrf.token}"
        class="form-horizontal"
        method="post">
        <fieldset>
            <form:input path="bwriter" type="hidden" value="${user.username }" class="form-control" />
            제목 :
            <form:input path="bttitle" class="form-control" />
            내용 :
            <form:textarea path="bcontent" cols="50" rows="10" class="form-control" />
            <input type="submit" class="btn btn-primary" value="등록" />
        </fieldset>
    </form:form>
</body>
</html>

```

tiles.xml

```
<definition name="boards/addBoard" extends="base-Template">
  <put-attribute name="title" value="Member" />
  <put-attribute name="heading" value="게시물 등록" />
  <put-attribute name="subheading" value="Add Board" />
  <put-attribute name="content"
    value="/WEB-INF/views/boards/addBoard.jsp" />
</definition>
```

	bid	bpid	btile	bcontent	bwriter	bview	blike	bhate	bdate
▶	1	NULL	첫 게시물	첫 게시물입니다.	admin	0	0	0	2023-03-21 10:53:14
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

CRUD

| 게시물 전체 조회 + 게시물 하나 조회

Mapper

board_SQL.xml

```
<select id="select_list" resultType="com.carshop.board.Board">
  <![CDATA[
    SELECT *
    FROM board
    ORDER BY bid
    DESC
  ]]>
</select>
```

```
<select id="select_detail" parameterType="String"
    resultType="com.carshop.board.Board">
    <![CDATA[
        select * from board where bid = #{bid}
    ]]>
</select>
```

Repository

```
//R
List<Board> getAllBoardList();

Board getBoardById(String bid);
-----
@Override
public List<Board> getAllBoardList() {
    return this.sqlSessionTemplate.selectList("board.select_list");
}

@Override
public Board getBoardById(String bid) {
    return this.sqlSessionTemplate.selectOne("board.select_detail");
}
```

Service

```
//R
List<Board> getAllBoardList();

Board getBoardById(String bid);
-----
@Override
public List<Board> getAllBoardList() {
    return boardRepository.getAllBoardList();
}

@Override
public Board getBoardById(String bid) {
    return boardRepository.getBoardById(bid);
}
```

Controller

```
@GetMapping("/list")
public String BoardList(Model model) {
    List<Board> list = boardService.getAllBoardList();
    model.addAttribute("boardList", list);
    return "boards/list";
}

@GetMapping("/board")
public String requestBoardById(@RequestParam("bid") String bid, Model model) {
    Board boardById = boardService.getBoardById(bid);
    model.addAttribute("board", boardById);
    return "boards/board";
}
```

View

list.jsp

```

<%@ page contentType="text/html; charset=UTF-8" language="java"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ taglib prefix="form" uri="http://www.springframework.org/tags/form"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt"%>
<html>
<head>
<title>Board</title>

<script src="https://code.jquery.com/jquery-3.6.3.min.js"
    integrity="sha256-pvPw+upLPUjgMXy0G+800xUf+/Im1MZjXxxg0cBQBxU="
    crossorigin="anonymous"></script>

<!-- <script>
    function removeCar(cid) {
        $.ajax({
            type:"POST",
            url:"/cars/remove",
            data:{cid: cid },
            beforeSend : function(xhr)
            { /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다*/
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
            success: function(result) {
                alert("제품이 삭제되었습니다.")
            },
            error:function (request, status, error) {
                alert(request.status + " " + request.responseText);
            }
        })

        window.location.reload();
    }
</script> -->
</head>
<body>
    <div class="container">

        <div style="padding-top: 50px">
            <table class="table table-hover">
                <tr>
                    <th>번호</th>
                    <th>제목</th>
                    <th>작성자</th>
                    <th>조회수</th>
                    <th>좋아요</th>
                    <th>싫어요</th>
                    <th>작성일</th>
                </tr>
                <c:forEach items="${boardList}" var="board">
                    <tr>
                        <td>${board.bid}</td>
                        <td><a href="/boards/board?bid=${board.bid }">${board.btitle}</a></td>
                        <td>${board.bwriter}</td>
                        <td>${board.bview}</td>
                        <td>${board.blike}</td>
                        <td>${board.bhate}</td>
                        <td>${board.bdate}</td>
                    </tr>
                </c:forEach>
            </table>
        </div>
    </div>
</body>
</html>

```

board.jsp

```

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

```

```

<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form"%>
<%@ taglib prefix="sec"
    uri="http://www.springframework.org/security/tags"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Board Detail</title>
<script src="https://code.jquery.com/jquery-3.6.3.min.js"
    integrity="sha256-pvPw+upLPUjgMXy0G+800xUf+/Im1MZjXxxg0cBQBxU="
    crossorigin="anonymous"></script>
<script>
    function replyNewFunction() {

    }
</script>
</head>
<body>
<!-- 게시물 -->
<div class="card">
    <h5 class="card-header">${board.btitle }</h5>
    <div class="card-body">
        <h5 class="card-title">${board.bcontent }</h5>
        <div class="d-flex justify-content-end">
            <a href="#" class="btn btn-success btn-sm">조회수 ${board.bview }</a> <a
                href="#" class="btn btn-primary btn-sm">좋아요 ${board.blike }</a> <a
                href="#" class="btn btn-danger btn-sm">싫어요 ${board.bhate }</a>
        </div>
        <div class="d-flex justify-content-end badge bg-light text-dark">${board.bdate }</div>
    </div>
</div>
<!-- END 게시물 -->
<!-- 답변 리스트 -->
<div class="card">
    <div class="card-body">답변 게시물</div>
</div>
<!-- END 답변 리스트 -->
<!-- 답변 등록 -->
<sec:authentication property="principal" var="user" />
<input name="bwriter" type="hidden" value="${user.username }" />
<input name="bid" type="hidden" value="${board.bid }">
<textarea name="bcontent" rows="5" class="form-control"></textarea>
<button type="button" class="btn btn-primary my2"
    onclick="replyNewFunction()">답변등록</button>
<!-- END 답변 등록 -->
<div class="my-5"></div>
</body>
</html>

```

tiles.xml

```

<definition name="boards/list" extends="base-Template">
    <put-attribute name="title" value="Member" />
    <put-attribute name="heading" value="게시물 리스트" />
    <put-attribute name="subheading" value="Board List" />
    <put-attribute name="content"
        value="/WEB-INF/views/boards/list.jsp" />
</definition>
<definition name="boards/board" extends="base-Template">
    <put-attribute name="title" value="Member" />
    <put-attribute name="heading" value="게시물" />
    <put-attribute name="subheading" value="Board" />
    <put-attribute name="content"
        value="/WEB-INF/views/boards/board.jsp" />
</definition>

```


