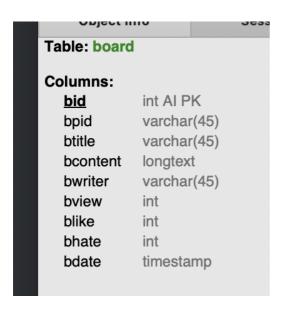
Spring Board 1

게시판

CRUD

Table



```
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;
this.bdate = bdate;
public void setBdate(String 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

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";
}
```

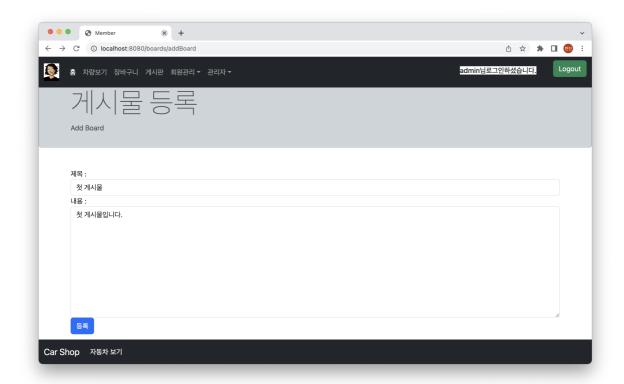
View

jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"</pre>
 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"</pre>
   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="btitle" 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	btitle	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_detail" parameterType="String"
  resultType="com.carshop.board.Board">
  <![CDATA[
      select * from board where bid = #{bid}
  ]]>
  </select>
```

Repository

Service

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"</pre>
 \verb|integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxgOcBQBXU="||
 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}", "${_csrf.token}");
             success: function(result) {
                 alert("제품이 삭제되었습니다.")
             error:function (request, status, error) \{
                 alert(request.status + " " + request.responseText);
          })
          window.location.reload();
   </script> -->
</head>
 <div class="container">
   <div style="padding-top: 50px">
     번호
        제목
        작성자
        조회수
        좋아요
        싫어요
        작성일
      <c:forEach items="${boardList}" var="board">
          ${board.bid}
          <a href="/boards/board?bid=bid=\ board.bid }">${board.btitle}</a>
          ${board.bwriter}
          ${board.bview}
          ${board.blike}
          ${board.bhate}
          ${board.bdate}
        </c:forEach>
     </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"</pre>
 uri="http://www.springframework.org/security/tags"%>
<!DOCTYPE html>
<head>
<meta charset="UTF-8">
<title>Board Detail</title>
<script src="https://code.jquery.com/jquery-3.6.3.min.js"</pre>
 integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxg0cBQBXU="
  crossorigin="anonymous"></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 ${board.bhate }</a>
     <div class="d-flex justify-content-end badge bg-light text-dark">${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"</pre>
   onclick="replyNewFunction()">답변등록</button>
 <!-- END 답변 등록 -->
 <div class="my-5"></div>
</body>
</html>
```

tiles.xml

