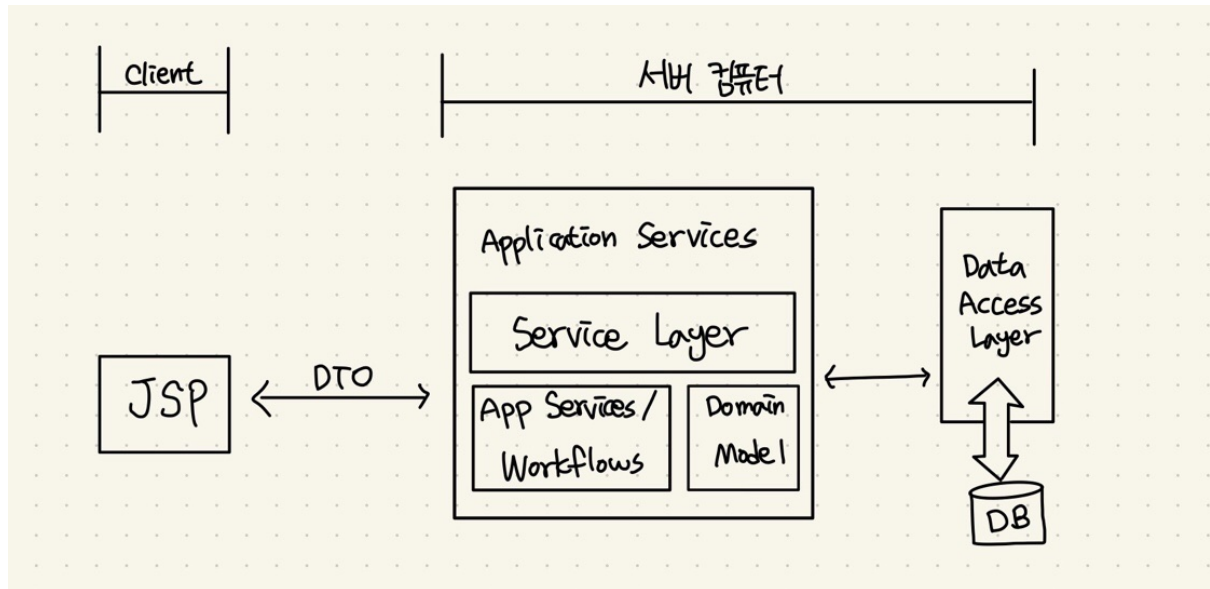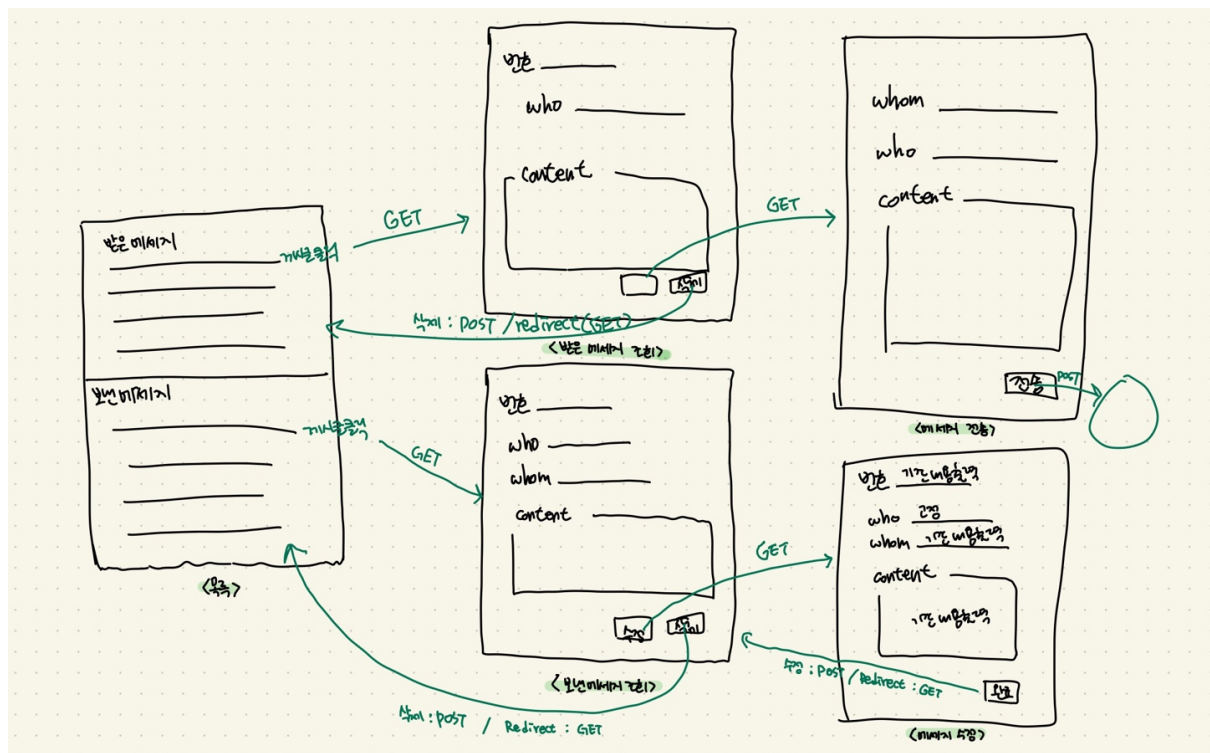# 인터페이스 구현 - 이아현
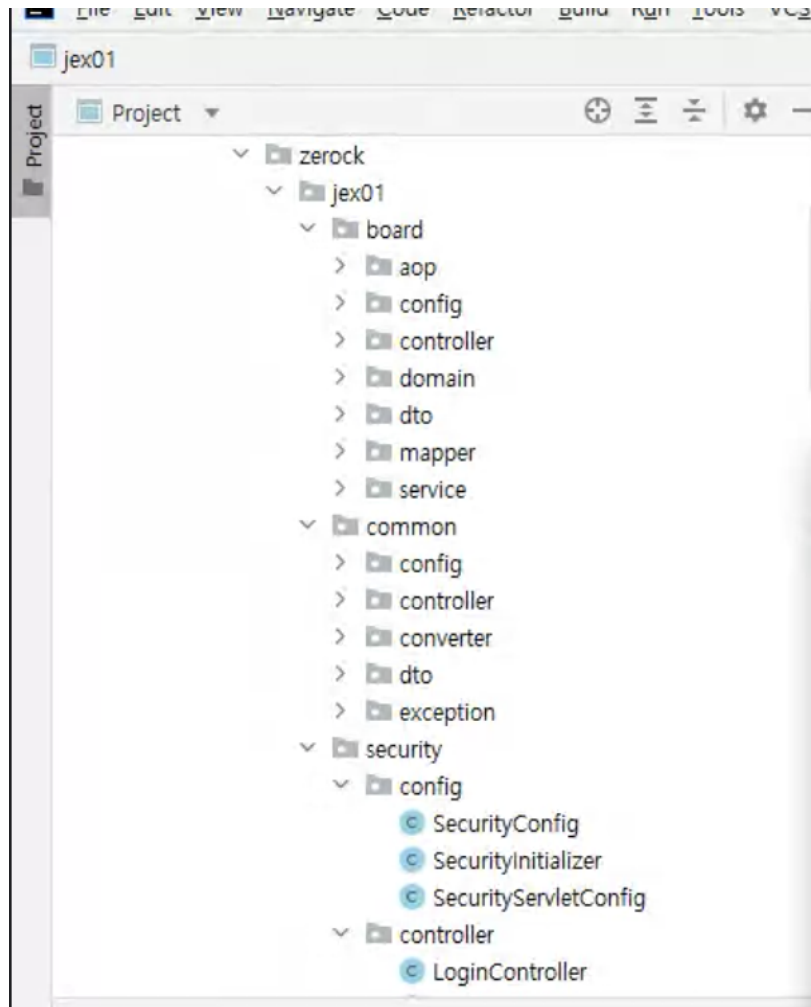
## 1. 스프링 MVC와 MyBatis를 이용해서 시스템의 전체 구조를 그림으로 작성할 것



## 2. 게시물의 등록/수정/삭제/조회/목록을 와이어 프레임 구조로 표현할 것

## 3. 게시물 관리 프로그램을 위한 패키지 구조를 캡쳐해서 추가할 것



## 4. REST 방식의 설계가 필요한 대상을 선정하고

## 5. URL / Method 방식 / 요청 JSON데이터의 내용 / 응답 JSON데이터의 내용을 테이블의 형태로 정리할 것

댓글 쓰기

| URL | Method방식 | 요청JSON | 응답JSON |
|---|---|---|---|
| /replies/list/${bno} | GET | bno | bno, rno, modDate, replyDate, replyer |
| /replies | POST | bno, reply, replyer | bno, rno, modDate, replyDate, replyer |
| /replies/${rno} | DELETE | rno | bno, rno, modDate, replyDate, replyer |
| /replies/${reply.rno} | PUT | reply, rno | bno, rno, modDate, replyDate, replyer |

## 6. 게시물 목록 화면(JSP)의 코드를 추가할 것

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%@include file="../includes/header.jsp"%>

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

    <!-- Content Wrapper. Contains page content -->
```

```html
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <h1 class="m-0">List Page</h1>
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Dashboard v1</li>
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container-fluid -->
    </div>
    <!-- /.content-header -->

    <!-- Main content -->
    <section class="content">
        <div class="container-fluid">
            <!-- Main row -->
            <div class="row">
                <!-- Left col -->
                <section class="col-lg-12">
                    <!-- TO DO List -->
                    <div class="card">
                        <div class="card-header">
                            <h3 class="card-title">Bordered Table</h3>
                            <sec:authorize access="isAuthenticated()">
                            <button><a href="/board/register">register</a></button>
                            </sec:authorize>
                        </div>
                        <!-- /.card-header -->
                        <div class="card-body">
                            <table class="table table-bordered">
                                <thead>
                                <tr>
                                    <th style="width: 20px">번호</th>
                                    <th>제목</th>
                                    <th>글쓴이</th>
                                    <th>등록일</th>
                                </tr>
                                </thead>
                                <tbody>
                                <c:forEach items="${dtoList}" var="dtoList">
                                <tr>
                                    <td><c:out value="${dtoList.bno}"></c:out></td>
                                    <td><a href="javascript:moveRead(${dtoList.bno})"><c:out value="${dtoList.title}"></c:out></a>
                                    <td><c:out value="${dtoList.writer}"></c:out></td>
                                    <td><c:out value="${dtoList.regDate}"></c:out></td>
                                </tr>
                                </c:forEach>
                                </tbody>
                            </table>

                            <form action="/board/list" method="get">
                                <input type="hidden" name="page" value="1">
                                <input type="hidden" name="size" value="${pageMaker.size}">
                            <div class="col-sm-3">
                                <!-- select -->
                                <div class="form-group">
                                    <label>Search</label>
                                    <select name="type" class="custom-select">
                                        <option value="" >---</option>
                                        <option value="T" ${pageRequestDTO.type=="T"?"selected":""}>제목</option>
                                        <option value="TC"  ${pageRequestDTO.type=="TC"?"selected":""}>제목내용</option>
                                        <option value="C"  ${pageRequestDTO.type=="C"?"selected":""}>내용</option>
                                    </select>
                                </div>
                            </div>
                            <div class="col-sm-9">
                                <div class="input-group input-group-sm">
                                    <input type="text" class="form-control" name="keyword" value="${pageRequestDTO.keyword}">
                                    <span class="input-group-append"><button type="submit" class="btn btn-info btn-flat">Go!</butt
                                </div>
                            </div>
                            </form>

                        </div>
                        <!-- /.card-body -->


                        <div class="card-footer clearfix">
                            <ul class="pagination pagination-sm m-0 float-right">
```

```
                                    <c:if test="${pageMaker.prev}">
                                    <li class="page-item"><a class="page-link" href="javascript:movePage(${pageMaker.start -1})"> << <
                                    </c:if>

                                    <c:forEach begin="${pageMaker.start}" end="${pageMaker.end}" var="num">
                                    <li class="page-item ${pageMaker.page == num?'active':''}"><a class="page-link" href="javascript:m
                                    </c:forEach>

                                    <c:if test="${pageMaker.next}">
                                        <li class="page-item"><a class="page-link" href="javascript:movePage(${pageMaker.end +1})"> >>
                                    </c:if>

                                </ul>
                            </div>
                        </div>
                        <!-- /.card -->
                    </section>
                    <!-- /.Left col -->
                </div>
                <!-- /.row (main row) -->
            </div><!-- /.container-fluid -->
        </section>
        <!-- /.content -->
    </div>
    <!-- /.content-wrapper -->

<div class="modal fade" id="modal-sm">
    <div class="modal-dialog modal-sm">
        <div class="modal-content">
            <div class="modal-header">
                <h4 class="modal-title">Small Modal</h4>
                <button type="button" class="close" data-dismiss="modal" aria-label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <p>One fine body&hellip;</p>
            </div>
            <div class="modal-footer justify-content-between">
                <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
                <button type="button" class="btn btn-primary">Save changes</button>
            </div>
        </div>
        <!-- /.modal-content -->
    </div>
    <!-- /.modal-dialog -->
</div>
<!-- /.modal -->

<form id="actionForm" action="/board/list" method="get">
    <input type="hidden" name="page" value="${pageMaker.page}">
    <input type="hidden" name="size" value="${pageMaker.size}">

    <c:if test="${pageRequestDTO.type != null}">
    <input type="hidden" name="type" value="${pageRequestDTO.type}">
    <input type="hidden" name="keyword" value="${pageRequestDTO.keyword}">
    </c:if>
</form>

<%@include file="../includes/footer.jsp"%>

<script>

    const actionForm = document.querySelector("#actionForm")

    const result = '${result}'

    if(result && result !== ''){
        $('#modal-sm').modal('show')

        window.history.replaceState(null, '', '/board/list');
    }

    function movePage(pageNum){

        actionForm.querySelector("input[name='page']").setAttribute("value",pageNum)
        actionForm.submit()

    }
    function moveRead(bno){

        actionForm.setAttribute("action","/board/read")
        actionForm.innerHTML +=`<input type='hidden' name='bno' value='\${bno}'>`
        actionForm.submit()

    }
```

```
</script>


</body>
</html>
```