

스프링 Mini Project - A Glory

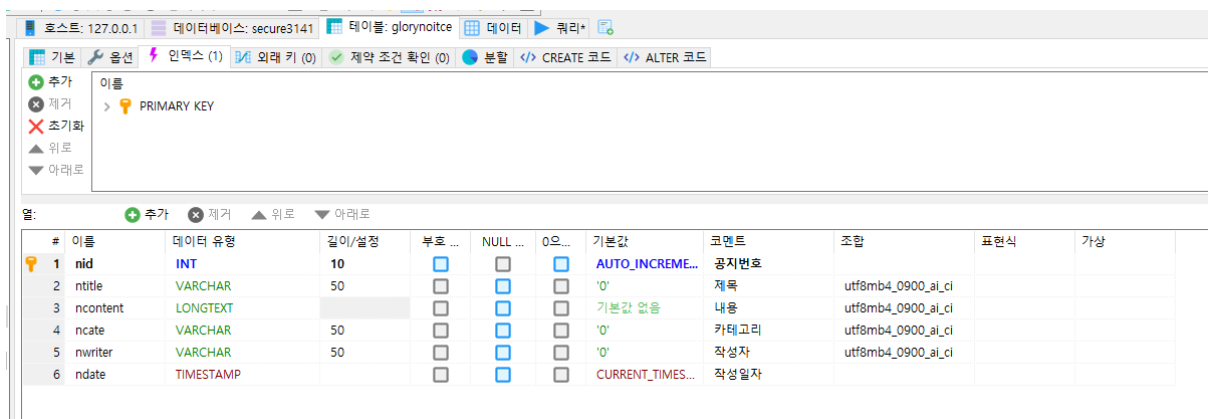
Free Bootstrap Admin Template - AdminLTE.IO

 <https://adminlte.io/>

아파트 관리 사무소 페이지 - 정해진 회원만 접근 가능, 요청 /접수 /처리 홈 페이지

테이블 - 공지사항, 요청접수, 회원관리

glorynotice DB



#	이름	데이터 유형	길이/설정	부호 ...	NULL ...	0으...	기본값	코멘트	조합	표현식	가상
1	nid	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...	공지번호			
2	ntitle	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'	제목	utf8mb4_0900_ai_ci		
3	ncontent	LONGTEXT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	기본값 없음	내용	utf8mb4_0900_ai_ci		
4	ncate	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'	카테고리	utf8mb4_0900_ai_ci		
5	nwriter	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'	작성자	utf8mb4_0900_ai_ci		
6	ndate	TIMESTAMP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CURRENT_TIMES...	작성일자			

gloryboard DB

호스트: 127.0.0.1 데이터베이스: secure3141 테이블: gloryboard 데이터 쿼리*

기본 옵션 인덱스 (1) 외래 키 (0) 제약 조건 확인 (0) 분할 CREATE 코드 ALTER 코드

추가
제거
초기화
위로
아래로

이름
> PRIMARY KEY

열: + 추가 - 제거 ▲ 위로 ▼ 아래로

#	이름	데이터 유형	길이/설정	부호 ...	NULL ...	0이...	기본값	코멘트	조합	표현식
1	bid	INT	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...	글번호		
2	bpid	VARCHAR	50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	'0'		utf8mb4_0900_ai_ci	
3	bttitle	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL	제목	utf8mb4_0900_ai_ci	
4	bcontent	LONGTEXT		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL	내용	utf8mb4_0900_ai_ci	
5	bcate	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL	카테고리	utf8mb4_0900_ai_ci	
6	bstatus	INT	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL	상태		
7	bwriter	VARCHAR	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL	작성자	utf8mb4_0900_ai_ci	
8	bdate	TIMESTAMP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CURRENT_TIMES...	작성일자		

Security

1. pom.xml 에 security 의존성 추가

```

<!-- https://mvnrepository.com/artifact/org.springframework.security/spring-security-web -->
<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-web</artifactId>
  <version>5.4.6</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.springframework.security/spring-security-config -->
<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-config</artifactId>
  <version>5.4.6</version>
</dependency>
<!-- https://mvnrepository.com/artifact/org.springframework.security/spring-security-taglibs -->
<dependency>
  <groupId>org.springframework.security</groupId>
  <artifactId>spring-security-taglibs</artifactId>
  <version>5.4.6</version>
</dependency>

```

2. web.xml

```
<filter>
  <filter-name>springSecurityFilterChain</filter-name>
  <filter-class>org.springframework.web.filter.DelegatingFilterProxy
</filter-class>
</filter>

<filter-mapping>
  <filter-name>springSecurityFilterChain</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
```



```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app version="2.5" xmlns="http://java.sun.com/xml/ns/javaee"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://java.sun.com/xml/ns/javaee https://java.sun.com/xml/ns/javaee/web-app_2_5.xsd">
5
6   <!-- The definition of the Root Spring Container shared by all Servlets and Filters -->
7   <context-param>
8     <param-name>contextConfigLocation</param-name>
9     <param-value>/WEB-INF/spring/root-context.xml
10      /WEB-INF/spring/security-context.xml
11   </param-value>
12 </context-param>
13
```

10번라인 추가

3. securiry-context.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:security="http://www.springframework.org/schema/security"
  xsi:schemaLocation="http://www.springframework.org/schema/security http://www.spring
framework.org/schema/security/spring-security.xsd
  http://www.springframework.org/schema/beans http://www.springframework.org/schema/
beans/spring-beans.xsd">
```

```
<!-- 각각의 intercept-url, form-login, logout 은 내부적으로 Filter를 만들어 사용한다. 그
  래서 web.xml에서 이 모든걸 엮어줄 FilterChain을 따로 설정해준다. -->
<!-- web.xml에서 사용하는 FilterChain의 대한 설정부분이다. -->
<security:http use-expressions="true">
  <security:intercept-url pattern="/cars/add/**" access="hasAuthority('USER_MANAGE
R')"/>
  <security:intercept-url pattern="/**" access="permitAll"/>
```

```

        <security:form-login login-page="/login"
            default-target-url="/cars"
            authentication-failure-url="/loginfailed"
            username-parameter="username"
            password-parameter="password"/>
    </security:form-login>
    <security:csrf />
    <security:logout logout-success-url="/logout"/>

</security:http>
<!-- form-login은 기본 로그인 폼 양식을 보여준다. logout은 로그아웃처리를.. -->

<!-- 암호화를 위한 passwordEncoder -->
<bean id="bcryptPasswordEncoder" class="org.springframework.security.crypto.bcrypt.BCryptPasswordEncoder"></bean>

<!-- DB연동은 data-source만 지정해주면 된다, 테이블이름은 정확히. users 랑 authorities -->
<security:authentication-manager alias="authenticationManager">
    <security:authentication-provider>
        <security:password-encoder hash="bcrypt"/>
        <security:jdbc-user-service data-source-ref="dataSource"
            users-by-username-query="SELECT username, password, enabled FROM glorymember WHERE username=?"
            authorities-by-username-query="SELECT username, authority FROM glorymember WHERE username=?"
        />
    </security:authentication-provider>
</security:authentication-manager>

</beans>

```

1. 아이디와 비번 name 설정하기

```

<input name="username" type="text" class="form-control" placeholder="아이디를 입력하세요">
</div>
<div class="input-group-text">
<span class="fas fa-envelope"></span>
</div>
</div>
<div class="input-group mb-3">
<input name="password" type="password" class="form-control" placeholder="암호를 입력하세요">

```

2. 스프링 시큐리티가 아이디와 비번 확인을 할 수 있도록 설정

```

<p class="login-box-msg">외부인은 로그인이 불가합니다.</p>
<form action="/login" method="post">
<div class="input-group mb-3">

```

3. post로 전송 할때는 토큰을 숨겨서 함께 전송

```
<input type="hidden" name="${_csrf.parameterName}" value="${_csrf.token}" />
```

```
~~~~~  
<input type="hidden" name="${_csrf.parameterName}"  
      value="${_csrf.token}" />  
<div class="col-4">  
<button type="submit" class="btn btn-primary btn-block">로그인</button>  
</div>
```

4. 회원가입시 암호화 처리 후 디비에 넣기

```
33  
34 // 회원가입  
35 @PostMapping("/addmember")  
36 public String submitAddMemberForm(@ModelAttribute("NewMember") Member member) {  
37  
38     String encodedPassword = bcryptPasswordEncoder.encode(member.getPassword());  
39     member.setPassword(encodedPassword);  
40  
41     memberService.setNewMember(member);  
42  
43     User user = userService.existUsername(Member.getBwriter());  
44     String to = user.getEmail(); //디비에 있는 회원 가입한 이메일  
45     String subject = Member.getBwriter() + "님 게시판에 글을 등록하셨습니다."; //제목  
46     String body = Member.getBcontent();  
47  
48     mailService.sendMail(to, subject, body); //인터페이스로 구현한 메소드를 전송  
49  
50     return "redirect:/member/list";  
51 }  
52
```

POST 방식의 데이터 전송에 CSRF Token 값 추가

```
<input type="hidden" name="${_csrf.parameterName}" value="${_csrf.token}" />
```

이런 방식은 외우기도 어려우니 시큐리티 태그를 사용하면 쉽게 가능

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

페이징네이션시 tfoot에 똑같이 써줘야 페이징생김 .

```
<table id="example1" class="table table-bordered table-striped">
  <thead>
    <tr>
      <th>번호</th>
      <th>제목</th>
      <th>분류</th>
      <th>작성자</th>
      <th>날짜</th>
    </tr>
  </thead>

  <tbody>
    <c:forEach items="${noticeList}" var="notice">
      <tr>
        <td>${notice.nid }</td>
        <td>${notice.ntitle }</td>
        <td>${notice.ncate}</td>
        <td>${notice.nwriter }</td>
        <td>${notice.ndate }</td>
      </tr>
    </c:forEach>
  </tbody>

  <tfoot>
    <tr>
      <th>번호</th>
      <th>제목</th>
      <th>분류</th>
      <th>작성자</th>
      <th>날짜</th>
    </tr>
  </tfoot>
</table>
```

```
<td><a href="javascript:detailBoard('${board.btitle }', '${board.bcontent }')" class
="btn-danger btn-sm">보기</a></td>
```

a Glory 관리 프로그램

글 번호 ↕	분류 ↕	제목 ↕	상태 ↕	↕
4	2	테스트입니다	2	보기
5	3	안녕하세요	3	보기
6	2	테스트7777	2	보기
7	4	ㄹㅇ	4	보기
8	2	ㄹ	2	보기
9	4	ㅎㅇㅎㅇㅎ	4	보기
10	5	ㄹㅇㄹ	5	보기
11	3	ㄹㅇㄹㅇ	3	보기
12	3	ㅇㄹㅇ	3	보기
13	5	ㅋㅋ	5	보기

Showing 1 to 10 of 17 entries

[Previous](#)
[1](#)
[2](#)
[Next](#)

[Card link](#)
[Another link](#)

```
function detailBoard(btitle, bcontent){
    document.getElementById('btitle').innerHTML = btitle;
    document.getElementById('bcontent').innerHTML = bcontent;
}
```

보기 클릭시 제모과 내용이 나옴.

a Glory 관리 프로그램
Home

글 번호	분류	제목	상태	
4	2	테스트입니다	2	보기
5	3	안녕하세요	3	보기
6	2	테스트7777	2	보기
7	4	ㄹㅇ	4	보기
8	2	ㄹ	2	보기
9	4	ㅎㅇㅎㅇㅎ	4	보기
10	5	ㄹㄹㄹ	5	보기
11	3	ㄹㅇㄹㅇㄹㅇ	3	보기
12	3	ㅇㄹㅇ	3	보기
13	5	ㅋㅋ	5	보기

Showing 1 to 10 of 17 entries

Previous
1
2
Next

[Card link](#)
[Another link](#)

주 게시물 내용 보기
테스트7777
777777

Go somewhere

Featured
Special title treatment
With supporting text below as a natural lead-in to additional content.

Go somewhere

```

6<script>
7function detailBoard(bid, btitle, bcontent) {
8    document.getElementById('btitle').innerHTML=btitle;
9    document.getElementById('bcontent').innerHTML=bcontent;
10
11    $.ajax({
12        type:"POST",
13        url:"/detailajax",
14        data:{bid:bid},
15        dataType:"json", //잭슨 드라이버를 pom 에 의존성 추가
16        beforeSend : function(xhr)
17        {    // 스프링 시큐리티 설정 사항
18            xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
19        },
20        success: function(result) {
21            alert(result);
22        }
23    });

```


자바에서 자바 스크립트로 데이터를 json 으로 넘겨줄때 필수

Home » com.fasterxml.jackson.core » jackson-databind » 2.15.0-rc1

Jackson Databind » 2.15.0-rc1

General data-binding functionality for Jackson: works on core streaming API

License	Apache 2.0
Categories	JSON Libraries
Tags	format binding json jackson
HomePage	https://github.com/FasterXML/jackson
Date	Mar 18, 2023
Files	pom (18 KB) jar (1.5 MB) View All
Repositories	Central
Ranking	#8 in MvnRepository (See Top Artifacts) #1 in JSON Libraries
Used By	25,453 artifacts

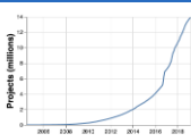
Maven Gradle Gradle (Short) Gradle (Kotlin) SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-databind -->
<dependency>
  <groupId>com.fasterxml.jackson.core</groupId>
  <artifactId>jackson-databind</artifactId>
  <version>2.15.0-rc1</version>
</dependency>
```

☒ Include comment with link to declaration

MVN REPOSITORY Search for groups, artifacts, categories Search Categories Popular Contact Us

Indexed Artifacts (32.9M)



Popular Categories

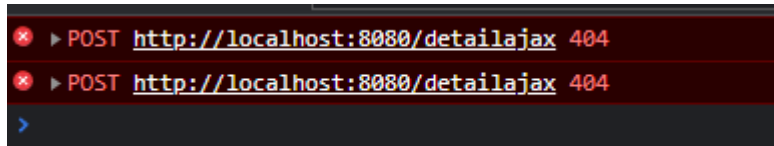
Home » com.fasterxml.jackson.core » jackson-core » 2.14.2

Jackson Core » 2.14.2

Core Jackson processing abstractions (aka Streaming API), implementation for JSON

License	Apache 2.0
Categories	JSON Libraries
Tags	format json jackson

계속 에러가 뜨는데



컨트롤러에서 List에 list를 넘겨준다는 뜻으로 쓴건데 컨트롤러는 list.jsp를 찾아가서 404가 뜬다.

```
@RequestMapping(value = "/detailajax", method = RequestMethod.POST)
public List<Board> requestReplyByIdAjax(@RequestParam("bid") String bid, @ModelAttribute Board board){

    System.out.println(bid);
    List<Board> list = boardService.getReplyById(bid);

    System.out.println(list);
    return list;
}
```

해결 !!

```
46 @ResponseBody
47 @RequestMapping(value = "/detailajax", method = RequestMethod.POST)
48 public List<Board> requestReplyByIdAjax(@RequestParam("bid") String bid, @ModelAttribute Board board){
49
50     System.out.println(bid);
51     List<Board> list = boardService.getReplyById(bid);
52
53     System.out.println(list);
54     return list;
55 }
56
57
```

어노테이션 `@ResponseBody` 를 붙여줘서 jsp 호출이 아닌 ajax 호출을 받는다는 의미

Chatting

▼ admin.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"%>

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

<script>
function addtodoFunction() {
    todo = $("#todo").val();
    tdue = $("#tdue").val();

    $.ajax({
        type:"POST",
        url:"/addtodo",
        data:{
            todo : todo,
            tdue : tdue
        },
        beforeSend : function(xhr)
            { /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다*/
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
            alert("등록 완료")
        },
        error:function(request, status, error) {
            alert(request.status + " " + request.responseText);
        }
    });
    window.location.reload();
}

</script>

<!-- Content Wrapper. Contains page content -->
<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">관리 프로그램</h1>
                </div>
                <!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <li class="breadcrumb-item"><a href="#">홈</a></li>
                        <li class="breadcrumb-item active">관리자</li>
                    </ol>
                </div>
            </div>
        </div>
    </div>

```

```

        <!-- /.col -->
    </div>
    <!-- /.row -->
</div>
<!-- /.container-fluid -->
</div>
<!-- /.content-header -->

<!-- Main content -->
<div class="content">
    <div class="container-fluid">
        <div class="row">
            <div class="col-lg-3 col-12">

                <!------- 여기서 부터 모든 페이지의 본문 삽입 ----->

            </div>

            <div class="small-box bg-info">
                <div class="inner">
                    <h3>${n1}</h3>
                    <p>신청 완료</p>
                </div>
                <div class="icon">
                    <i class="ion ion-bag"></i>
                </div>
                <a href="#" class="small-box-footer">More info <i
                    class="fas fa-arrow-circle-right"></i></a>
                </div>
            </div>

            <div class="col-lg-3 col-12">

                <div class="small-box bg-success">
                    <div class="inner">
                        <h3>${n2}</h3>
                        <p>접수 완료</p>
                    </div>
                    <div class="icon">
                        <i class="ion ion-stats-bars"></i>
                    </div>
                    <a href="#" class="small-box-footer">More info <i
                        class="fas fa-arrow-circle-right"></i></a>
                    </div>
                </div>

                <div class="col-lg-3 col-12">

                    <div class="small-box bg-warning">
                        <div class="inner">
                            <h3>${n3}</h3>
                            <p>처리 중</p>
                        </div>
                        <div class="icon">
                            <i class="ion ion-person-add"></i>
                        </div>
                        <a href="#" class="small-box-footer">More info <i
                            class="fas fa-arrow-circle-right"></i></a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

```

```

    </div>
</div>

<div class="col-lg-3 col-12">

    <div class="small-box bg-danger">
        <div class="inner">
            <h3>${n5}</h3>
            <p>후속 조치</p>
        </div>
        <div class="icon">
            <i class="ion ion-pie-graph"></i>
        </div>
        <a href="#" class="small-box-footer">More info <i
            class="fas fa-arrow-circle-right"></i></a>
        </div>

</div>

<!-- todo list -->

<div class="col-lg-6">
    <div class="card">
        <div class="card-header">
            <h3 class="card-title">
                <i class="ion ion-clipboard mr-1"></i> To Do List
            </h3>
            <div class="card-tools">
                <ul class="pagination pagination-sm">
                    <li class="page-item"><a href="#" class="page-link">&laquo;</a>
</li>

                    <li class="page-item"><a href="#" class="page-link">1</a></li>
                    <li class="page-item"><a href="#" class="page-link">2</a></li>
                    <li class="page-item"><a href="#" class="page-link">3</a></li>
                    <li class="page-item"><a href="#" class="page-link">&raquo;</a>
</li>

                </ul>
            </div>
        </div>

        <div class="card-body">
            <ul class="todo-list" data-widget="todo-list">

                <c:forEach items="${todoList}" var="list">

                    <li><span class="handle"> <i
                        class="fas fa-ellipsis-v"></i> <i class="fas fa-ellipsis-v">
</i>

                    </span>
                    <div class="icheck-primary d-inline ml-2">

```

```

        <input type="checkbox" value="" name="todo6" id="todoCheck
6">
        <label for="todoCheck6"></label>
    </div> <span class="text">${list.todo}</span> <small
class="badge badge-secondary"><i class="far fa-clock"></i>${li
st.todo}</small>
    <div class="tools">
        <i class="fas fa-edit"></i> <i class="fas fa-trash-o"></i>
    </div></li>
</c:forEach>

</ul>
</div>
<div class="card-footer">
    <div class="input-group">
        <input id="todo" type="text" name="message"
placeholder="New List..." class="form-control"> <span
class="input-group-append"> <a
href="javascript:addtodoFunction()" class="btn btn-primary">등록
        &raquo;</a>
    </span>
    </div>
</div>
</div>
</div>
</section>

```

```

<div class="col-lg-6">
    <div class="card direct-chat direct-chat-primary">
        <div class="card-header">
            <h3 class="card-title">Direct Chat</h3>
            <div class="card-tools">
                <span title="3 New Messages" class="badge badge-primary">3</span>
                <button type="button" class="btn btn-tool"
data-card-widget="collapse">
                    <i class="fas fa-minus"></i>
                </button>
                <button type="button" class="btn btn-tool" title="Contacts"
data-widget="chat-pane-toggle">
                    <i class="fas fa-comments"></i>
                </button>
                <button type="button" class="btn btn-tool"
data-card-widget="remove">

```

```

        <i class="fas fa-times"></i>
    </button>
</div>
</div>

<div class="card-body">

<div class="direct-chat-messages">

<c:forEach items="${chatList }" var="chat">

    <c:if test="${chat.bwriter != 'admin' }">
        <div class="direct-chat-msg">
            <div class="direct-chat-infos clearfix">
                <span class="direct-chat-name float-left">${chat.bwriter }</span>
                <span class="direct-chat-timestamp float-right">${chat.bdate}</span>
            </div>

            <div class="direct-chat-text">
                ${chat.bcontent }
            </div>

        </div>
    </c:if>

    <c:if test="${chat.bwriter == 'admin' }">
        <div class="direct-chat-msg right">
            <div class="direct-chat-infos clearfix">
                <span class="direct-chat-name float-right">${chat.bwriter }</span>
                <span class="direct-chat-timestamp float-left">${chat.bdate}</span>
            </div>

            <div class="direct-chat-text">
                ${chat.bcontent }
            </div>

        </div>
    </c:if>

</c:forEach>

</div>

<div class="direct-chat-contacts">
    <ul class="contacts-list">
        <li><a href="#"> <img class="contacts-list-img"

```

```

Avatar">
    src="/resources/admin/dist/img/user1-128x128.jpg" alt="User
Avatar">
    <div class="contacts-list-info">
        <span class="contacts-list-name"> Count Dracula <small
            class="contacts-list-date float-right">2/28/2015</small>
        </span> <span class="contacts-list-msg">How have you been?
I
        was...</span>
    </div>

</a></li>

<li><a href="#"> 
    <div class="contacts-list-info">
        <span class="contacts-list-name"> Sarah Doe <small
            class="contacts-list-date float-right">2/23/2015</small>
        </span> <span class="contacts-list-msg">I will be waiting
            for...</span>
    </div>

</a></li>

<li><a href="#"> 
    <div class="contacts-list-info">
        <span class="contacts-list-name"> Nadia Jolie <small
            class="contacts-list-date float-right">2/20/2015</small>
        </span> <span class="contacts-list-msg">I'll call you back
            at...</span>
    </div>

</a></li>

<li><a href="#"> 
    <div class="contacts-list-info">
        <span class="contacts-list-name"> Nora S. Vans <small
            class="contacts-list-date float-right">2/10/2015</small>
        </span> <span class="contacts-list-msg">Where is your ne
w...</span>
    </div>

</a></li>

<li><a href="#"> 
    <div class="contacts-list-info">
        <span class="contacts-list-name"> John K. <small
            class="contacts-list-date float-right">1/27/2015</small>
        </span> <span class="contacts-list-msg">Can I take a look
            at...</span>
    </div>

```



```

        </a></li>

        <li><a href="#"> 

            <div class="contacts-list-info">
                <span class="contacts-list-name"> Kenneth M. <small
                    class="contacts-list-date float-right">1/4/2015</small>
                </span> <span class="contacts-list-msg">Never mind I
                    found...</span>
            </div>

        </a></li>

    </ul>

</div>

</div>

<div class="card-footer">
    <form action="#" method="post">
        <div class="input-group">
            <input type="text" name="message"
                placeholder="Type Message ..." class="form-control"> <span
                class="input-group-append">
                    <button type="button" class="btn btn-primary">Send</button>
            </span>
        </div>
    </form>
</div>

</div>

<!------- 여기까지 모든 페이지의 본문 삽입 ----->

</div>

<!-- /.col-md-12 -->
</div>
<!-- /.row -->
</div>
<!-- /.container-fluid -->
</div>
<!-- /.content -->
</div>
<!-- /.content-wrapper -->

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

```

Summer Note

공지 등록, 게시물 등록