Spring Mini Project 5

Spring Mini Project[A Glory]

▼ MAIN[공지사항 등록]
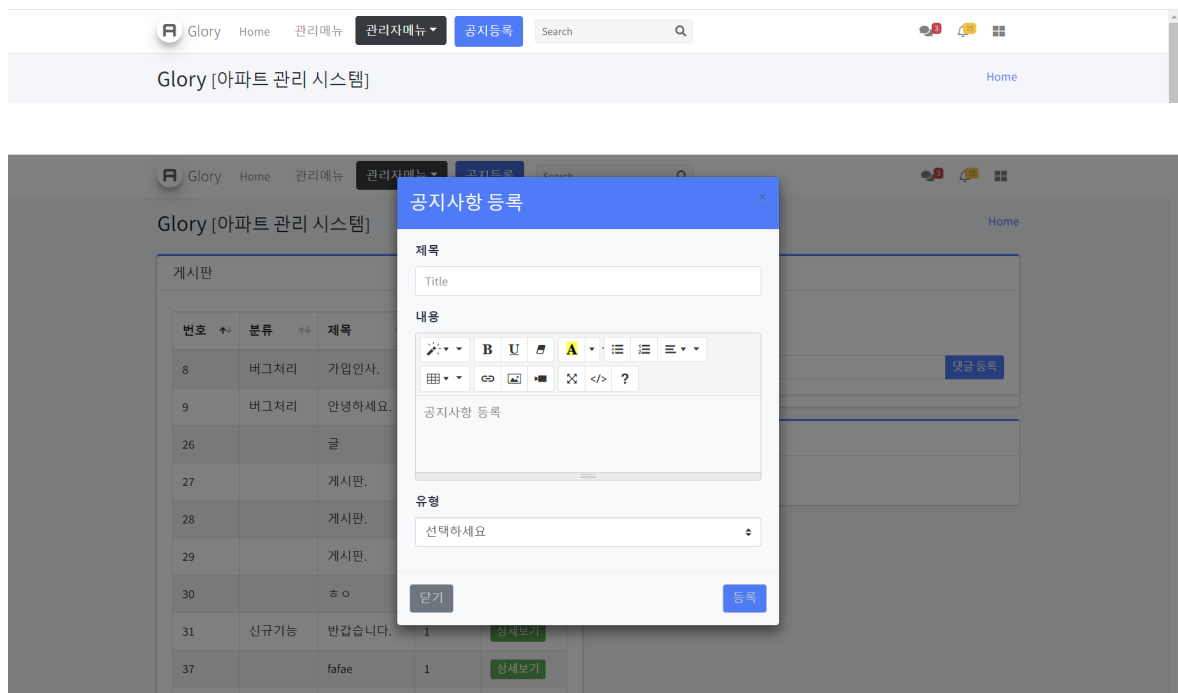
main.jsp


```
<%@page import="org.springframework.web.bind.annotation.ModelAttribute"%>
<%@page import="com.glory.board.Board"%>
<%@ 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 uri="http://www.springframework.org/security/tags"
    prefix="sec"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/functions" prefix="fn" %>
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Glory</title>


<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">

<link rel="stylesheet" href="/resources/admin/plugins/fontawesome-free/css/all.min.css">

<link rel="stylesheet" href="/resources/admin/dist/css/adminlte.min.css?v=3.2.0">

<link rel="stylesheet"
    href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
```

```html
<link rel="stylesheet"
  href="/resources/admin/plugins/fontawesome-free/css/all.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-responsive/css/responsive.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-buttons/css/buttons.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/dist/css/adminlte.min.css?v=3.2.0">

<script src="https://code.jquery.com/jquery-3.6.3.min.js"
  integrity="sha256-pvPw+upLPUjgMXY0G+8O0xUf+/Im1MZjXxxgOcBQBXU="
  crossorigin="anonymous"></script>

<body class="hold-transition layout-top-nav">
<div class="wrapper">

<nav class="main-header navbar navbar-expand-md navbar-light navbar-white">
<div class="container">
<a href="/resources/admin/index3.html" class="navbar-brand">
<img src="/resources/admin/dist/img/AdminLTELogo.png" alt="AdminLTE Logo" class="brand-image img-circle elevation-3" style="opacity
<span class="brand-text font-weight-light">Glory</span>
</a>
<button class="navbar-toggler order-1" type="button" data-toggle="collapse" data-target="#navbarCollapse" aria-controls="navbarCol
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse order-3" id="navbarCollapse">

<ul class="navbar-nav">
<li class="nav-item">
<a href="/main" class="nav-link">Home</a>
</li>

        <sec:authorize access="hasRole('ROLE_ADMIN')">
        <li class="nav-item">
          <a href="/admin" class="nav-link">관리메뉴</a>
        </li>
          <li class="nav-item dropdown">
            <button class="btn btn-dark dropdown-toggle"
              data-bs-toggle="dropdown" aria-expanded="false">관리자메뉴</button>
            <ul class="dropdown-menu dropdown-menu-dark">
            <li><a class="dropdown-item" href="/users/list">회원목록</a></li>
              <li><a class="dropdown-item" href="/cars/add">제품등록</a></li>
              <li><a class="dropdown-item" href="/cars/product">제품관리</a></li>
            </ul>
          </li>
        <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#modal-primary" style="margin-left: 10px;"
          공지등록
        </button>
        </sec:authorize>


</ul>

<form class="form-inline ml-0 ml-md-3">
<div class="input-group input-group-sm">
<input class="form-control form-control-navbar" type="search" placeholder="Search" aria-label="Search">
<div class="input-group-append">
<button class="btn btn-navbar" type="submit">
<i class="fas fa-search"></i>
</button>
</div>
</div>
</form>
</div>

<ul class="order-1 order-md-3 navbar-nav navbar-no-expand ml-auto">

<li class="nav-item dropdown">
<a class="nav-link" data-toggle="dropdown" href="#">
<i class="fas fa-comments"></i>
<span class="badge badge-danger navbar-badge">3</span>
</a>
<div class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
<a href="#" class="dropdown-item">

<div class="media">
<img src="/resources/admin/dist/img/user1-128x128.jpg" alt="User Avatar" class="img-size-50 mr-3 img-circle">
<div class="media-body">
<h3 class="dropdown-item-title">
Brad Diesel
<span class="float-right text-sm text-danger"><i class="fas fa-star"></i></span>
</h3>
<p class="text-sm">Call me whenever you can...</p>
<p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
</div>
```

```html
        </div>


      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item">

        <div class="media">
          <img src="/resources/admin/dist/img/user8-128x128.jpg" alt="User Avatar" class="img-size-50 img-circle mr-3">
          <div class="media-body">
            <h3 class="dropdown-item-title">
              John Pierce
              <span class="float-right text-sm text-muted"><i class="fas fa-star"></i></span>
            </h3>
            <p class="text-sm">I got your message bro</p>
            <p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
          </div>
        </div>


      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item">

        <div class="media">
          <img src="/resources/admin/dist/img/user3-128x128.jpg" alt="User Avatar" class="img-size-50 img-circle mr-3">
          <div class="media-body">
            <h3 class="dropdown-item-title">
              Nora Silvester
              <span class="float-right text-sm text-warning"><i class="fas fa-star"></i></span>
            </h3>
            <p class="text-sm">The subject goes here</p>
            <p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
          </div>
        </div>


      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item dropdown-footer">See All Messages</a>
    </div>
  </li>

  <li class="nav-item dropdown">
    <a class="nav-link" data-toggle="dropdown" href="#">
      <i class="far fa-bell"></i>
      <span class="badge badge-warning navbar-badge">15</span>
    </a>
    <div class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
      <span class="dropdown-header">15 Notifications</span>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item">
        <i class="fas fa-envelope mr-2"></i> 4 new messages
        <span class="float-right text-muted text-sm">3 mins</span>
      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item">
        <i class="fas fa-users mr-2"></i> 8 friend requests
        <span class="float-right text-muted text-sm">12 hours</span>
      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item">
        <i class="fas fa-file mr-2"></i> 3 new reports
        <span class="float-right text-muted text-sm">2 days</span>
      </a>
      <div class="dropdown-divider"></div>
      <a href="#" class="dropdown-item dropdown-footer">See All Notifications</a>
    </div>
  </li>
  <li class="nav-item">
    <a class="nav-link" data-widget="control-sidebar" data-slide="true" href="#" role="button">
      <i class="fas fa-th-large"></i>
    </a>
  </li>
</ul>
</div>
</nav>


<div class="content-wrapper">

<div class="content-header">
<div class="container">
<div class="row mb-2">
<div class="col-sm-6">
<h1 class="m-0"> Glory <small>[아파트 관리 시스템]</small></h1>
</div>
<div class="col-sm-6">
<ol class="breadcrumb float-sm-right">
```

```html
<li class="breadcrumb-item"><a href="#">Home</a></li>
</ol>
</div>
</div>
</div>
</div>


<div class="content">
<div class="container">
<div class="row">


<!------------------------ Modal ------------------------------>

<div class="modal fade" id="modal-primary">
<div class="modal-dialog">
<div class="modal-content bg-light">
<div class="modal-header bg-primary">
<h4 class="modal-title">공지사항 등록</h4>
<button type="button" class="close" data-dismiss="modal" aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>
<div class="modal-body">
<div class="col-sm">

<div class="form-group">
<label>제목</label>
<input id="ntitle" class="form-control" placeholder="Title" />
</div>
<div class="form-group">
<label>내용</label>
<textarea id="ncontent" class="form-control" rows="3" placeholder="Content"></textarea>
</div>
<div class="form-group">
  <label for="inputStatus">유형</label>
  <select id="ncate" class="form-control custom-select">
    <option selected>선택하세요</option>
    <option>버그처리</option>
    <option>신규기능</option>
    <option>기타</option>
  </select>
</div>
</div>
</div>

<input id="nwriter" type="hidden" value="admin" class="form-control">

<div class="modal-footer justify-content-between">
<button type="button" class="btn btn-outline-light btn-secondary" data-dismiss="modal">닫기</button>
<button type="button"onclick="javascript:addNotice()" class="btn btn-outline-light btn-primary">등록</button>
</div>
</div>

</div>

</div>


<!------------------------ Modal END ------------------------------>


<!------------------------ 게시판 ------------------------------>

<div class="col-lg-6">
<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">
<h5 class="card-title m-0">게시판</h5>
</div>
<div class="card-body">



<table id="example2" class="table table-bordered table-striped">
<thead>
<tr>
<th>번호</th>
<th>분류</th>
<th>제목</th>
<th>상태</th>
<th></th>
</tr>
</thead>
<tbody>
```

```
<c:forEach items="${boardList}" var="board">
<tr>
<td>${board.bid}</td>
<td>${board.bcate}</td>
<td>${board.btitle}</td>
<td>${board.bstatus}</td>
<td><a href='javascript:detailBoard("${board.bid}", "${board.btitle}", "${fn:replace(board.bcontent, '"', '\\"')}" )' class="btn-su
</tr>
</c:forEach>




</tbody>
</table>








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

<!------------------------ 게시판 END ------------------------------>


<!------------------------ 게시물 상세보기 ------------------------------>
<div class="col-lg-6">

<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">

<h5 class="card-title m-0">게시물 상세보기</h5>
</div>
<div class="card-body">
<h3 class="card-title" id="btitle">Title</h3>
<br>
<p class="card-text" id="bcontent">Content</p>

<div class="input-group input-group-sm">
<input type="text" id="reply" class="form-control">
<input type="hidden" id="bid" class="form-control">
<span class="input-group-append">


<button type="button" onclick="javascript:addReply()" class="btn btn-primary btn-flat">댓글 등록</button>
</span>
</div>
</div>
</div>
<div class="card card-primary card-outline">
<div class="card-header">
<h5 class="card-title m-0">댓글</h5>
</div>
<div class="card-body">
<p class="card-text replies" id="replies">내용</p>
</div>
</div>
</div>

<!------------------------ 게시물 상세보기 END ------------------------------>


<!------------------------ 게시판 등록 ------------------------------>

<div class="col-lg-6">

<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">

<h5 class="card-title m-0">게시판 등록</h5>
</div>
<div class="card-body">
```

```html
<div class="col-sm">

<div class="form-group">
<label>제목</label>
<input id="smalltitle" class="form-control" placeholder="Title" />
</div>
<div class="form-group">
<label>내용</label>
<textarea id="smallcontent" class="form-control" rows="3" placeholder="Content"></textarea>
</div>
<div class="form-group">
  <label for="inputStatus">유형</label>
  <select id="smallcate" class="form-control custom-select">
    <option selected>선택하세요</option>
    <option>버그처리</option>
    <option>신규기능</option>
    <option>기타</option>
  </select>
</div>
</div>
<input id="smallwriter" type="hidden" value="admin" class="form-control">
<input style="margin-left: 10px;" type="button" onclick="javascript:addBoard()" value="등록" class="btn btn-success float-right">


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


<!----------------------- 게시판 등록 END ------------------------------->


</div>

</div>
</div>

</div>


<aside class="control-sidebar control-sidebar-dark">

</aside>


<footer class="main-footer">

<div class="float-right d-none d-sm-inline">
Anything you want
</div>

<strong>Copyright &copy; 2014-2021 <a href="https://adminlte.io">AdminLTE.io</a>.</strong> All rights reserved.
</footer>
</div>




<script src="/resources/admin/plugins/jquery/jquery.min.js"></script>

<script src="/resources/admin/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="/resources/admin/dist/js/adminlte.min.js?v=3.2.0"></script>

  <script
    src="/resources/admin/plugins/datatables/jquery.dataTables.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-responsive/js/dataTables.responsive.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-responsive/js/responsive.bootstrap4.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/dataTables.buttons.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.bootstrap4.min.js"></script>
  <script src="/resources/admin/plugins/jszip/jszip.min.js"></script>
  <script src="/resources/admin/plugins/pdfmake/pdfmake.min.js"></script>
  <script src="/resources/admin/plugins/pdfmake/vfs_fonts.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.html5.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.print.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.colVis.min.js"></script>
```

```
<script>
  $(function() {
    $("#example1").DataTable(
        {
          "responsive" : true,
          "lengthChange" : false,
          "autoWidth" : false,
          "buttons" : [ "copy", "csv", "excel", "pdf", "print",
              "colvis" ]
        }).buttons().container().appendTo(
        '#example1_wrapper .col-md-6:eq(0)');
    $('#example2').DataTable({
      "paging" : true,
      "lengthChange" : false,
      "searching" : false,
      "ordering" : true,
      "info" : true,
      "autoWidth" : false,
      "responsive" : true,
    });
  });

  function addBoard() {
    btitle = $("#smalltitle").val();
    bcontent = $("#smallcontent").val();
    bwriter = $("#smallwriter").val();
    bcate = $("#smallcate").val();

    $.ajax({
      type:"POST",
      url:"/addBoard",
      data:{
        btitle : btitle,
        bcontent : bcontent,
        bwriter : bwriter,
        bcate : bcate
      },
      beforeSend : function(xhr)
          {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
              xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
          },
      success:function(result) {
        alert("등록 성공")
        window.location.reload();
      },
      error:function(request,status,error) {
        alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
      }

    })


  }
  function addNotice() {
    ntitle = $("#ntitle").val();
    ncontent = $("#ncontent").val();
    nwriter = $("#nwriter").val();
    ncate = $("#ncate").val();

    $.ajax({
      type:"POST",
      url:"/addNotice",
      data:{
        ntitle : ntitle,
        ncontent : ncontent,
        nwriter : nwriter,
        ncate : ncate
      },
      beforeSend : function(xhr)
          {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
              xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
          },
      success:function(result) {
        alert("등록 성공")
        window.location.reload();
      },
      error:function(request,status,error) {
        alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
      }

    })
```

```
        }

    function detailBoard(bid, btitle, bcontent) {
      document.getElementById('btitle').innerHTML = btitle;
      document.getElementById('bcontent').innerHTML = bcontent;
      document.getElementById('bid').value = bid;

      $.ajax({
        type:"POST",
        url:"/ajaxDetail",
        data:{
          bid : bid
        },
        /*Jackson Driver 의존성을 추가하여야 한다. */
        dataType:"JSON",
        beforeSend : function(xhr)
            {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
          var str = "";
          for(var i in result){
            str+='          <li class="list-group-item">'
            str+='            <div class="list-group-item list-group-item-secondary small">'
            str+='              <span>' + result[i].bcontent +  '</span>'
            str+='              <span class="small float-end">' + result[i].bwriter + '</span>'
            str+='            </div>'
            str+='            <div class="list-group-item">' + result[i].bdate + '</div>'
            str+='          </li>'
          }
          $(".replies").html(str);
          document.getElementById('replies').innerHTML=str;
        },
        error:function(request,status,error) {
          alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
        }

      })


    }

    function addReply() {
      reply = $("#reply").val();
      bid = $("#bid").val();

      $.ajax({
        type:"POST",
        url:"/addReply",
        data:{
          bid : bid,
          bwriter : "비회원",
          bcontent : reply,
        },
        beforeSend : function(xhr)
            {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
          alert("등록 성공")
          window.location.reload();
        },
        error:function(request,status,error) {
          alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
        }

      })


    }

  </script>

</body>

     <link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.css" rel="stylesheet">
    <script src="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.js"></script>
<script>
      $('#smallcontent').summernote({
        placeholder: '게시판 등록',
        tabsize: 5,
        height: 100,
        toolbar: [
          ['style', ['style']],
          ['font', ['bold', 'underline', 'clear']],
          ['color', ['color']],
          ['para', ['ul', 'ol', 'paragraph']],
```

```
                ['table', ['table']],
                ['insert', ['link', 'picture', 'video']],
                ['view', ['fullscreen', 'codeview', 'help']]
          ]
        });
    </script>

    <script>
      $('#ncontent').summernote({
          placeholder: '공지사항 등록',
          tabsize: 5,
          height: 100,
          toolbar: [
            ['style', ['style']],
            ['font', ['bold', 'underline', 'clear']],
            ['color', ['color']],
            ['para', ['ul', 'ol', 'paragraph']],
            ['table', ['table']],
            ['insert', ['link', 'picture', 'video']],
            ['view', ['fullscreen', 'codeview', 'help']]
          ]
        });
    </script>
</html>
```

MainController.java

```
@Autowired     // DI
private NoticeService noticeService;

@ResponseBody
  @PostMapping("/addNotice")
  public void addNotice(@RequestParam Map<String, Object> notice) {
    Notice notices = new Notice();
    notices.setNtitle((String)notice.get("ntitle"));
    notices.setNwriter((String)notice.get("nwriter"));
    notices.setNcate((String)notice.get("ncate"));
    notices.setNcontent((String)notice.get("ncontent"));


    noticeService.setNewNotice(notices);
  }
```

▼ MAIN[글 수정 & 삭제]

main.jsp

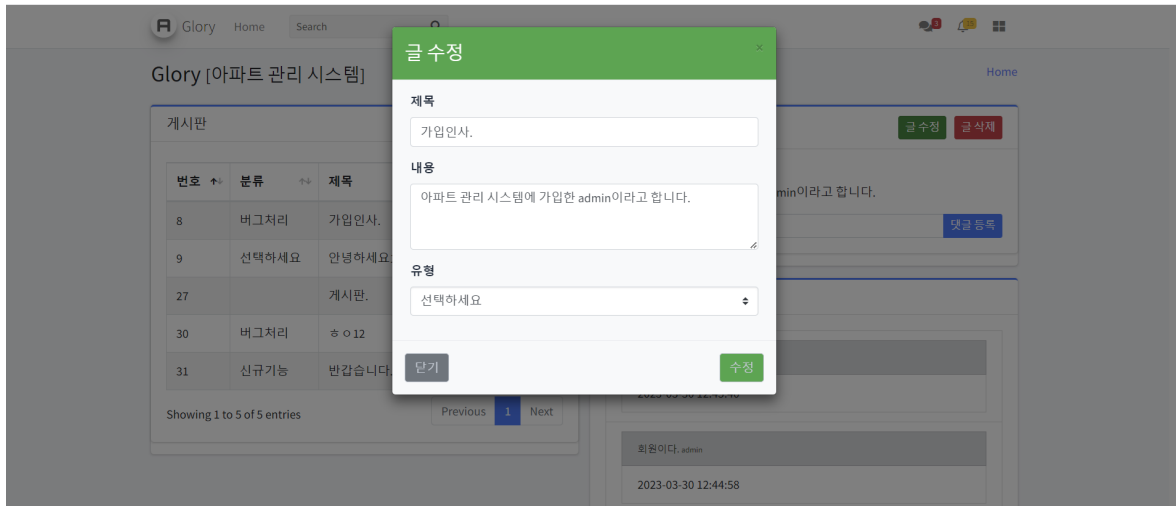```
<%@page import="org.springframework.web.bind.annotation.ModelAttribute"%>
<%@page import="com.glory.board.Board"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
  pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form"%>
<%@ taglib uri="http://www.springframework.org/security/tags"
  prefix="sec"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/functions" prefix="fn" %>
<!DOCTYPE html>

<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Glory</title>

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">

<link rel="stylesheet" href="/resources/admin/plugins/fontawesome-free/css/all.min.css">

<link rel="stylesheet" href="/resources/admin/dist/css/adminlte.min.css?v=3.2.0">

<link rel="stylesheet"
  href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
<link rel="stylesheet"
  href="/resources/admin/plugins/fontawesome-free/css/all.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-responsive/css/responsive.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/plugins/datatables-buttons/css/buttons.bootstrap4.min.css">
<link rel="stylesheet"
  href="/resources/admin/dist/css/adminlte.min.css?v=3.2.0">

<script src="https://code.jquery.com/jquery-3.6.3.min.js"
  integrity="sha256-pvPw+upLPUjgMXY0G+8O0xUf+/Im1MZjXxxgOcBQBXU="
  crossorigin="anonymous"></script>

<body class="hold-transition layout-top-nav">
<div class="wrapper">

<nav class="main-header navbar navbar-expand-md navbar-light navbar-white">
<div class="container">

<img src="/resources/admin/dist/img/AdminLTELogo.png" alt="AdminLTE Logo" class="brand-image img-circle elevation-3" style="opacity
Glory

<button class="navbar-toggler order-1" type="button" data-toggle="collapse" data-target="#navbarCollapse" aria-controls="navbarCol

</button>
<div class="collapse navbar-collapse order-3" id="navbarCollapse">

<ul class="navbar-nav">
<li class="nav-item">
```

```
              <a href="/main" class="nav-link">Home</a>
            </li>

                    <sec:authorize access="hasRole('ROLE_ADMIN')">
                    <li class="nav-item">
                      <a href="/admin" class="nav-link">관리메뉴</a>
                    </li>
                      <li class="nav-item dropdown">
                        <button class="btn btn-dark dropdown-toggle"
                          data-bs-toggle="dropdown" aria-expanded="false">관리자메뉴</button>
                        <ul class="dropdown-menu dropdown-menu-dark">
                        <li><a class="dropdown-item" href="/users/list">회원목록</a></li>
                          <li><a class="dropdown-item" href="/cars/add">제품등록</a></li>
                          <li><a class="dropdown-item" href="/cars/product">제품관리</a></li>
                        </ul>
                      </li>
                    <button type="button" class="btn btn-primary" data-toggle="modal" data-target="#modal-primary" style="margin-left: 10px;'
                      공지등록
                    </button>
                    </sec:authorize>


  </ul>

  <form class="form-inline ml-0 ml-md-3">
  <div class="input-group input-group-sm">
  <input class="form-control form-control-navbar" type="search" placeholder="Search" aria-label="Search">
  <div class="input-group-append">
  <button class="btn btn-navbar" type="submit">
  <i class="fas fa-search"></i>
  </button>
  </div>
  </div>
  </form>
  </div>


  <ul class="order-1 order-md-3 navbar-nav navbar-no-expand ml-auto">

  <li class="nav-item dropdown">
  <a class="nav-link" data-toggle="dropdown" href="#">
  <i class="fas fa-comments"></i>
  <span class="badge badge-danger navbar-badge">3</span>
  </a>
  <div class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
  <a href="#" class="dropdown-item">

  <div class="media">
  <img src="/resources/admin/dist/img/user1-128x128.jpg" alt="User Avatar" class="img-size-50 mr-3 img-circle">
  <div class="media-body">
  <h3 class="dropdown-item-title">
  Brad Diesel
  <span class="float-right text-sm text-danger"><i class="fas fa-star"></i></span>
  </h3>
  <p class="text-sm">Call me whenever you can...</p>
  <p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
  </div>
  </div>


  </a>
  <div class="dropdown-divider"></div>
  <a href="#" class="dropdown-item">

  <div class="media">
  <img src="/resources/admin/dist/img/user8-128x128.jpg" alt="User Avatar" class="img-size-50 img-circle mr-3">
  <div class="media-body">
  <h3 class="dropdown-item-title">
  John Pierce
  <span class="float-right text-sm text-muted"><i class="fas fa-star"></i></span>
  </h3>
  <p class="text-sm">I got your message bro</p>
  <p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
  </div>
  </div>

  </a>
  <div class="dropdown-divider"></div>
  <a href="#" class="dropdown-item">

  <div class="media">
  <img src="/resources/admin/dist/img/user3-128x128.jpg" alt="User Avatar" class="img-size-50 img-circle mr-3">
  <div class="media-body">
  <h3 class="dropdown-item-title">
  Nora Silvester
  <span class="float-right text-sm text-warning"><i class="fas fa-star"></i></span>
  </h3>
  <p class="text-sm">The subject goes here</p>
```

```html
<p class="text-sm text-muted"><i class="far fa-clock mr-1"></i> 4 Hours Ago</p>
</div>
</div>


</a>
<div class="dropdown-divider"></div>
<a href="#" class="dropdown-item dropdown-footer">See All Messages</a>
</div>
</li>

<li class="nav-item dropdown">
<a class="nav-link" data-toggle="dropdown" href="#">
<i class="far fa-bell"></i>
<span class="badge badge-warning navbar-badge">15</span>
</a>
<div class="dropdown-menu dropdown-menu-lg dropdown-menu-right">
<span class="dropdown-header">15 Notifications</span>
<div class="dropdown-divider"></div>
<a href="#" class="dropdown-item">
<i class="fas fa-envelope mr-2"></i> 4 new messages
<span class="float-right text-muted text-sm">3 mins</span>
</a>
<div class="dropdown-divider"></div>
<a href="#" class="dropdown-item">
<i class="fas fa-users mr-2"></i> 8 friend requests
<span class="float-right text-muted text-sm">12 hours</span>
</a>
<div class="dropdown-divider"></div>
<a href="#" class="dropdown-item">
<i class="fas fa-file mr-2"></i> 3 new reports
<span class="float-right text-muted text-sm">2 days</span>
</a>
<div class="dropdown-divider"></div>
<a href="#" class="dropdown-item dropdown-footer">See All Notifications</a>
</div>
</li>
<li class="nav-item">
<a class="nav-link" data-widget="control-sidebar" data-slide="true" href="#" role="button">
<i class="fas fa-th-large"></i>
</a>
</li>
</ul>
</div>
</nav>


<div class="content-wrapper">

<div class="content-header">
<div class="container">
<div class="row mb-2">
<div class="col-sm-6">
<h1 class="m-0"> Glory <small>[아파트 관리 시스템]</small></h1>
</div>
<div class="col-sm-6">
<ol class="breadcrumb float-sm-right">
<li class="breadcrumb-item"><a href="#">Home</a></li>
</ol>
</div>
</div>
</div>
</div>


<div class="content">
<div class="container">
<div class="row">


<!------------------------ Modal ------------------------------>

<div class="modal fade" id="modal-primary">
<div class="modal-dialog">
<div class="modal-content bg-light">
<div class="modal-header bg-primary">
<h4 class="modal-title">공지사항 등록</h4>
<button type="button" class="close" data-dismiss="modal" aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>
<div class="modal-body">
<div class="col-sm">

<div class="form-group">
<label>제목</label>
<input id="ntitle" class="form-control" placeholder="Title" />
</div>
```

```html
<div class="form-group">
<label>내용</label>
<textarea id="ncontent" class="form-control" rows="3" placeholder="Content"></textarea>
</div>
<div class="form-group">
  <label for="inputStatus">유형</label>
  <select id="ncate" class="form-control custom-select">
    <option selected>선택하세요</option>
    <option>버그처리</option>
    <option>신규기능</option>
    <option>기타</option>
  </select>
</div>
</div>
</div>

<input id="nwriter" type="hidden" value="admin" class="form-control">

<div class="modal-footer justify-content-between">
<button type="button" class="btn btn-outline-light btn-secondary" data-dismiss="modal">닫기</button>
<button type="button"onclick="javascript:addNotice()" class="btn btn-outline-light btn-primary">등록</button>
</div>
</div>

</div>

</div>


<!----------------------- Modal END ------------------------------>

<!------------------------ Modal2 ------------------------------->

<div class="modal fade" id="modal-success">
<div class="modal-dialog">
<div class="modal-content bg-light">
<div class="modal-header bg-success">
<h4 class="modal-title">글 수정</h4>
<button type="button" class="close" data-dismiss="modal" aria-label="Close">
<span aria-hidden="true">&times;</span>
</button>
</div>
<div class="modal-body">
<div class="col-sm">

<div class="form-group">
<label>제목</label>
<input id="btitle2" class="form-control" placeholder="Title" />
</div>
<div class="form-group">
<label>내용</label>
<textarea id="bcontent2" class="form-control" rows="3" placeholder="Content"></textarea>
</div>
<div class="form-group">
  <label for="inputStatus">유형</label>
  <select id="bcate2" class="form-control custom-select">
    <option selected>선택하세요</option>
    <option>버그처리</option>
    <option>신규기능</option>
    <option>기타</option>
  </select>
</div>
</div>
</div>

<input id="bwriter2" type="hidden" value="admin" class="form-control">

<div class="modal-footer justify-content-between">
<button type="button" class="btn btn-outline-light btn-secondary" data-dismiss="modal">닫기</button>
<button type="button"onclick="javascript:editBoard()" class="btn btn-outline-light btn-success">수정</button>
</div>
</div>

</div>

</div>


<!------------------------ Modal2 END ------------------------------->

<!------------------------ 게시판 ------------------------------->

<div class="col-lg-6">
<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">
<h5 class="card-title m-0">게시판</h5>
```

```html
</div>
<div class="card-body">




<table id="example2" class="table table-bordered table-striped">
<thead>
<tr>
<th>번호</th>
<th>분류</th>
<th>제목</th>
<th>상태</th>
<th></th>
</tr>
</thead>
<tbody>
<c:forEach items="${boardList}" var="board">
<tr>
<td>${board.bid}</td>
<td>${board.bcate}</td>
<td>${board.btitle}</td>
<td>${board.bstatus}</td>
<td><a href='javascript:detailBoard("${board.bid}", "${board.btitle}", "${fn:replace(board.bcontent, '"', '\\"')}" )' class="btn-su
</tr>
</c:forEach>




</tbody>
</table>








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

<!------------------------ 게시판 END ------------------------------>


<!------------------------ 게시물 상세보기 ------------------------------>
<div class="col-lg-6">

<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">

<h5 class="card-title m-0">게시물 상세보기</h5>

<button type="button" class="btn btn-danger btn-sm" onclick="deleteBoard()" style="margin-left: 10px; float: right;">
  글 삭제
</button>

<button type="button" class="btn btn-success btn-sm" data-toggle="modal" data-target="#modal-success" style="margin-left: 10px; flo
  글 수정
</button>
<input id="bid2" type="hidden" class="form-control">

</div>
<div class="card-body">
<h3 class="card-title" id="btitle">Title</h3>
<br>
<p class="card-text" id="bcontent">Content</p>

<div class="input-group input-group-sm">
<input type="text" id="reply" class="form-control">
<input type="hidden" id="bid" class="form-control">
<span class="input-group-append">


<button type="button" onclick="javascript:addReply()" class="btn btn-primary btn-flat">댓글 등록</button>
</span>
</div>
</div>
</div>
</div>
```

```html
<div class="card card-primary card-outline">
<div class="card-header">
<h5 class="card-title m-0">댓글</h5>
</div>
<div class="card-body">
<p class="card-text replies" id="replies">내용</p>
</div>
</div>

<!----------------------- 게시물 상세보기 END ------------------------------->



<!----------------------- 게시판 등록 ------------------------------>

<div class="col-lg-6">

<div class="card">
<div class="card card-primary card-outline">
<div class="card-header">

<h5 class="card-title m-0">게시판 등록</h5>
</div>
<div class="card-body">


<div class="col-sm">

<div class="form-group">
<label>제목</label>
<input id="smalltitle" class="form-control" placeholder="Title" />
</div>
<div class="form-group">
<label>내용</label>
<textarea id="smallcontent" class="form-control" rows="3" placeholder="Content"></textarea>
</div>
<div class="form-group">
  <label for="inputStatus">유형</label>
  <select id="smallcate" class="form-control custom-select">
    <option selected>선택하세요</option>
    <option>버그처리</option>
    <option>신규기능</option>
    <option>기타</option>
  </select>
</div>
</div>
<input id="smallwriter" type="hidden" value="admin" class="form-control">
<input style="margin-left: 10px;" type="button" onclick="javascript:addBoard()" value="등록" class="btn btn-success float-right">


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

<!----------------------- 게시판 등록 END ------------------------------->


</div>

</div>
</div>

</div>


<aside class="control-sidebar control-sidebar-dark">

</aside>


<footer class="main-footer">

<div class="float-right d-none d-sm-inline">
Anything you want
</div>

<strong>Copyright &copy; 2014-2021 <a href="https://adminlte.io">AdminLTE.io</a>.</strong> All rights reserved.
</footer>
</div>



<script src="/resources/admin/plugins/jquery/jquery.min.js"></script>
```

```
<script src="/resources/admin/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="/resources/admin/dist/js/adminlte.min.js?v=3.2.0"></script>

  <script
    src="/resources/admin/plugins/datatables/jquery.dataTables.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-responsive/js/dataTables.responsive.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-responsive/js/responsive.bootstrap4.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/dataTables.buttons.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.bootstrap4.min.js"></script>
  <script src="/resources/admin/plugins/jszip/jszip.min.js"></script>
  <script src="/resources/admin/plugins/pdfmake/pdfmake.min.js"></script>
  <script src="/resources/admin/plugins/pdfmake/vfs_fonts.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.html5.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.print.min.js"></script>
  <script
    src="/resources/admin/plugins/datatables-buttons/js/buttons.colVis.min.js"></script>




  <script>
    $(function() {
      $("#example1").DataTable(
          {
            "responsive" : true,
            "lengthChange" : false,
            "autoWidth" : false,
            "buttons" : [ "copy", "csv", "excel", "pdf", "print",
                "colvis" ]
          }).buttons().container().appendTo(
          '#example1_wrapper .col-md-6:eq(0)');
      $('#example2').DataTable({
        "paging" : true,
        "lengthChange" : false,
        "searching" : false,
        "ordering" : true,
        "info" : true,
        "autoWidth" : false,
        "responsive" : true,
      });
    });


    function deleteBoard() {
      bid = $("#bid2").val();

      $.ajax({
        type:"POST",
        url:"/deleteBoard",
        data:{
          bid : bid
        },
        beforeSend : function(xhr)
            {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
          alert("삭제 성공")
          window.location.reload();
        },
        error:function(request,status,error) {
          alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
        }

      })


    }

    function editBoard() {
      bid = $("#bid2").val();
      btitle = $("#btitle2").val();
      bcontent = $("#bcontent2").val();
      bwriter = $("#bwriter2").val();
      bcate = $("#bcate2").val();

      $.ajax({
```

```
      type:"POST",
      url:"/editBoard",
      data:{
        bid : bid,
        btitle : btitle,
        bcontent : bcontent,
        bwriter : bwriter,
        bcate : bcate
      },
      beforeSend : function(xhr)
          {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
              xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
          },
      success:function(result) {
        alert("수정 성공")
        window.location.reload();
      },
      error:function(request,status,error) {
        alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
      }

    })


  }

  function addBoard() {
    btitle = $("#smalltitle").val();
    bcontent = $("#smallcontent").val();
    bwriter = $("#smallwriter").val();
    bcate = $("#smallcate").val();

    $.ajax({
      type:"POST",
      url:"/addBoard",
      data:{
        btitle : btitle,
        bcontent : bcontent,
        bwriter : bwriter,
        bcate : bcate
      },
      beforeSend : function(xhr)
          {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
              xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
          },
      success:function(result) {
        alert("등록 성공")
        window.location.reload();
      },
      error:function(request,status,error) {
        alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
      }

    })


  }

  function addNotice() {
    ntitle = $("#ntitle").val();
    ncontent = $("#ncontent").val();
    nwriter = $("#nwriter").val();
    ncate = $("#ncate").val();

    $.ajax({
      type:"POST",
      url:"/addNotice",
      data:{
        ntitle : ntitle,
        ncontent : ncontent,
        nwriter : nwriter,
        ncate : ncate
      },
      beforeSend : function(xhr)
          {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
              xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
          },
      success:function(result) {
        alert("등록 성공")
        window.location.reload();
      },
      error:function(request,status,error) {
        alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
      }

    })
```

```
    }

    function detailBoard(bid, btitle, bcontent) {
      document.getElementById('btitle').innerHTML = btitle;
      document.getElementById('bcontent').innerHTML = bcontent;
      document.getElementById('bid').value = bid;

      document.getElementById('btitle2').value = btitle;
      document.getElementById('bcontent2').innerHTML = bcontent;
      document.getElementById('bid2').value = bid;
      $.ajax({
        type:"POST",
        url:"/ajaxDetail",
        data:{
          bid : bid
        },
        /*Jackson Driver 의존성을 추가하여야 한다. */
        dataType:"JSON",
        beforeSend : function(xhr)
            {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
          var str = "";
          for(var i in result){
            str+='            <li class="list-group-item">'
            str+='              <div class="list-group-item list-group-item-secondary small">'
            str+='                <span>' + result[i].bcontent +  '</span>'
            str+='                <span class="small float-end">' + result[i].bwriter + '</span>'
            str+='              </div>'
            str+='              <div class="list-group-item">' + result[i].bdate + '</div>'
            str+='            </li>'
          }
          $(".replies").html(str);
          document.getElementById('replies').innerHTML=str;
        },
        error:function(request,status,error) {
          alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
        }

      })


    }

    function addReply() {
      reply = $("#reply").val();
      bid = $("#bid").val();

      $.ajax({
        type:"POST",
        url:"/addReply",
        data:{
          bid : bid,
          bwriter : "비회원",
          bcontent : reply,
        },
        beforeSend : function(xhr)
            {   /*데이터를 전송하기 전에 헤더에 csrf값을 설정한다. */
                xhr.setRequestHeader("${_csrf.headerName}", "${_csrf.token}");
            },
        success:function(result) {
          alert("등록 성공")
          window.location.reload();
        },
        error:function(request,status,error) {
          alert("code:" + request.status + "\n" + "message:" + request.responseText + "\n" + "error:" + error);
        }

      })


    }

  </script>

</body>

    <link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.css" rel="stylesheet">
    <script src="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.js"></script>
  <script>
    $('#smallcontent').summernote({
      placeholder: '게시판 등록',
      tabsize: 5,
      height: 100,
      toolbar: [
```

```
        ['style', ['style']],
        ['font', ['bold', 'underline', 'clear']],
        ['color', ['color']],
        ['para', ['ul', 'ol', 'paragraph']],
        ['table', ['table']],
        ['insert', ['link', 'picture', 'video']],
        ['view', ['fullscreen', 'codeview', 'help']]
      ]
    });
  </script>

  <script>
    $('#ncontent').summernote({
      placeholder: '공지사항 등록',
      tabsize: 5,
      height: 100,
      toolbar: [
        ['style', ['style']],
        ['font', ['bold', 'underline', 'clear']],
        ['color', ['color']],
        ['para', ['ul', 'ol', 'paragraph']],
        ['table', ['table']],
        ['insert', ['link', 'picture', 'video']],
        ['view', ['fullscreen', 'codeview', 'help']]
      ]
    });
  </script>

</html>
```

MainController.java

```java
@ResponseBody
  @PostMapping("/editBoard")
  public void editBoard(@RequestParam Map<String, Object> board) {
    this.sqlSessionTemplate.update("board.update_Board", board);
  }

  @ResponseBody
  @PostMapping("/deleteBoard")
  public void deleteBoard(@RequestParam String bid) {
    this.sqlSessionTemplate.delete("board.delete_Board", bid);
  }
```

board_SQL.xml

```xml
<update id="update_Board" parameterType="HashMap">

  UPDATE gloryboard SET btitle=#{btitle}, bcontent=#{bcontent}, bcate=IF(#{bcate} = '선택하세요', bcate, #{bcate}), bwriter=#{bwriter

</update>

<delete id="delete_Board" parameterType="String">

  DELETE FROM gloryboard WHERE bid = #{bid}

</delete>
```

▼ 페이지 접근 권한 설정

```xml
10
11
12 <!-- 각각의 interceptr-url, form-login, logout 은 내부적으로 Filter를 만들어 사용한다. -->
13 <!-- 그래서 web.xml에서 이 모든걸 엮어줄 FilterChaing을 따로 설정해준다. -->
14 <!-- web.xml에서 사용하는 FilterChain의 대한 설정부분이다. -->
15●   <security:http use-expressions="true">
16● <!--    <http auto-config="true" use-expressions="true"> 기본 로그인 창 사용시 -->
17 <!--    <security:intercept-url pattern="/boards/board" access="isAuthenticated()" /> -->
18 <!--    <security:intercept-url pattern="/boards/addBoard" access="isAuthenticated()" /> -->
19 <!--    <security:intercept-url pattern="/manager" access="hasRole('ROLE_MANAGER')" /> MANAGER만 허용 -->
20      <security:intercept-url pattern="/main" access="isAuthenticated()" /> <!-- 로그인한 사람 허용 -->
21      <security:intercept-url pattern="/admin" access="hasAuthority('ROLE_ADMIN')" /> <!-- ROLE_ADMIN 허용 -->
22      <security:intercept-url pattern="/**" access="permitAll" /> <!-- 전체 허용 -->
23
24      <security:form-login login-page="/"
25              default-target-url="/main"
26              authentication-failure-url="/loginfailed"
27              username-parameter="username"
28              password-parameter="password"/>
29
30      <security:csrf/>
31
32      <security:logout logout-success-url="/logout"/>
33
34      </security:http>
```

접근권한 설정시 유의사항

[해결]접근가능한 url 권한 설정이 안되는 문제(SpringSecurity)

Spring Security에서 권한별로 접근할 수 있는 url 을 다르게 주고 싶었다 (최고관리자를 ADMIN, 중간관리자를 SUB_ADMIN 이라고 하자) 처음에 아래와 같이 적고 테스트를 해보았다. http.authorizeRequests() .... .antMatchers("/admin/**").hasRole("ADMIN") .antMatchers("/admin/sub/**").hasRole("SUB_ADMIN") 그런

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