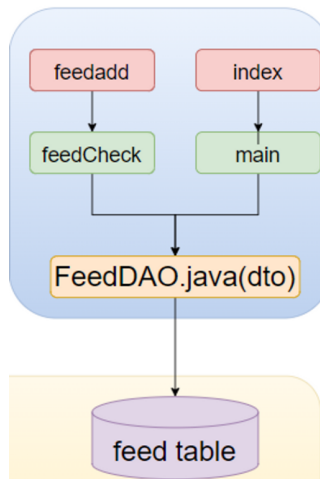


Class 230131

MyMEMO (계속)

SummerNote 활용 메모 게시판 만들기

Feed 구성



썸머노트 사용 (부트스트랩 따로 사용)

▼ 코드

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<title>메모 작성</title>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<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>
</head>

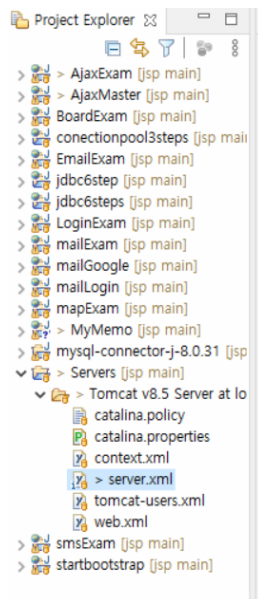
<body>
<textarea name="content" id="summernote"></textarea>

<script>
$( '#summernote' ).summernote({
  placeholder: 'Hello stand alone ui',
  tabsize: 2,
  height: 300,
  toolbar: [
    ['style', ['style']],
    ['font', ['bold', 'underline', 'clear']],
    ['color', ['color']],
    ['para', ['ul', 'ol', 'paragraph']],
    ['table', ['table']],
    ['insert', ['link', 'picture', 'video']],
    ['view', ['fullscreen', 'codeview', 'help']]
  ]
});
</script>
</body>
</html>
```

▼ 1MB 이상 이미지 올리기

이클립스 안의 project explorer 에서...

Server - Tomcat - server.xml



```
<Connector port="8080" protocol="HTTP/1.1"
            connectionTimeout="20000"
            redirectPort="8443"
            maxPostSize="-1"/>
```

maxPostSize="-1" 로 설정하면 파일 크기의 제약이 사라진다.

* 서버 재시작

프로젝트 코드

▼ mymemo DB / feed Table

```
CREATE TABLE `feed` (
  `no` INT(10) NOT NULL AUTO_INCREMENT,
  `id` VARCHAR(50) NULL DEFAULT NULL COLLATE 'utf8mb4_0900_ai_ci',
  `content` LONGTEXT NULL DEFAULT NULL COLLATE 'utf8mb4_0900_ai_ci',
  `ts` TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (`no`) USING BTREE
)
COLLATE='utf8mb4_0900_ai_ci'
ENGINE=InnoDB
;
```

▼ FeedDTO.java

```
package jdbc;

public class FeedDTO {
    private int no;
    private String id;
```

```

private String content;
private String ts;

public FeedDTO(int no, String id, String content, String ts) {
    super();
    this.no = no;
    this.id = id;
    this.content = content;
    this.ts = ts;
}

public int getNo() {
    return no;
}

public void setNo(int no) {
    this.no = no;
}

public String getId() {
    return id;
}

public void setId(String id) {
    this.id = id;
}

public String getContent() {
    return content;
}

public void setContent(String content) {
    this.content = content;
}

public String getTs() {
    return ts;
}

public void setTs(String ts) {
    this.ts = ts;
}
}

```

▼ FeedDAO.java

```

package jdbc;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

import org.json.simple.JSONArray;
import org.json.simple.JSONObject;

import com.mysql.cj.xdevapi.JsonArray;

import util.ConnectionPool;

public class FeedDAO {

    // 등록
    public static boolean insert(String id, String content) {
        boolean result = false;
        String sql = "INSERT INTO feed (id, content) VALUES (?, ?)";
        Connection conn = null;
        PreparedStatement pstmt = null;
        try {
            conn = ConnectionPool.get();
            pstmt = conn.prepareStatement(sql);
            pstmt.setString(1, id);
            pstmt.setString(2, content);

            result = pstmt.executeUpdate() == 1 ? true : false;
        } catch (SQLException e) {
            e.printStackTrace();
        } finally {

```

```

        close(conn, pstmt, null);
    }
    return result;
}

// 목록 가져오기
public static List<FeedDTO> getAllList() {
    ArrayList<FeedDTO> list = new ArrayList<>();
    String sql = "SELECT * FROM feed";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
        conn = ConnectionPool.get();
        pstmt = conn.prepareStatement(sql);
        rSet = pstmt.executeQuery();

        while (rSet.next()) {
            list.add(new FeedDTO(
                rSet.getInt("no"),
                rSet.getString("id"),
                rSet.getString("content"),
                rSet.getString("ts")
            ));
        }

    } catch (SQLException e) {
        e.printStackTrace();
        close(conn, pstmt, rSet);
        list = null;
    }

    return list;
}

// 목록 가져오기 (Json)
public static String getAllListAjax() {
    JSONArray ja = new JSONArray();
    String sql = "SELECT * FROM feed";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
        conn = ConnectionPool.get();
        pstmt = conn.prepareStatement(sql);
        rSet = pstmt.executeQuery();

        while (rSet.next()) {
            JSONObject jo = new JSONObject();
            jo.put("no", rSet.getInt("no"));
            jo.put("id", rSet.getString("id"));
            jo.put("content", rSet.getString("content"));
            jo.put("ts", rSet.getString("ts"));

            ja.add(jo);
        }

    } catch (SQLException e) {
        e.printStackTrace();
        close(conn, pstmt, rSet);
        ja = null;
    }

    return ja.toJSONString();
}

// 아이디의 목록 가져오기
public static List<FeedDTO> getList(String id) {
    ArrayList<FeedDTO> list = new ArrayList<>();
    String sql = "SELECT * FROM feed WHERE id=?";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
        conn = ConnectionPool.get();
        pstmt = conn.prepareStatement(sql);
        pstmt.setString(1, id);
        rSet = pstmt.executeQuery();

        while (rSet.next()) {
            list.add(new FeedDTO(
                rSet.getInt("no"),
                rSet.getString("id"),
                rSet.getString("content"),
                rSet.getString("ts")
            ));
        }

    }
}

```

```

    } catch (SQLException e) {
        e.printStackTrace();
        close(conn, pstmt, rSet);
        list = null;
    }

    return list;
}

// 아이디의 목록 가져오기 (JSON)
public static String getListAjax(String id) {
    JSONArray ja = new JSONArray();
    String sql = "SELECT * FROM feed WHERE id=?";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
        conn = ConnectionPool.get();
        pstmt = conn.prepareStatement(sql);
        pstmt.setString(1, id);
        rSet = pstmt.executeQuery();

        while (rSet.next()) {
            JSONObject jo = new JSONObject();
            jo.put("no", rSet.getInt("no"));
            jo.put("id", rSet.getString("id"));
            jo.put("content", rSet.getString("content"));
            jo.put("ts", rSet.getString("ts"));

            ja.add(jo);
        }

    } catch (SQLException e) {
        e.printStackTrace();
        close(conn, pstmt, rSet);
        ja = null;
    }

    return ja.toJSONString();
}

// 열린 객체 닫기
public static void close(Connection conn, PreparedStatement pstmt, ResultSet rSet) {
    try {
        if(rSet != null) rSet.close();
        if(pstmt != null) pstmt.close();
        if(conn != null) conn.close();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}

```

▼ header.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>

<%
    String sid = (String) session.getAttribute("sid");
    if(sid != null) {
        session.setAttribute("sid", sid);
    }
%>
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- bootstrap CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2VBKQf"
<!-- jQuery CDN -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXY0G+800xUf+/Im1MZjXxxg0cBQBxU=" crossorigin="
<!-- navbar (top) -->
<nav class="navbar navbar-expand-sm navbar-dark bg-dark" aria-label="Tenth navbar example">
    <div class="container-fluid">
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarsExample08" aria-controls="navba
        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse justify-content-md-center" id="navbarsExample08">
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link active" aria-current="page" href="/main.jsp">My Memo</a>
            </li>
            <li class="nav-item dropdown">

```

```

        <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">메모 메뉴</a>
        <ul class="dropdown-menu">
          <li><a class="dropdown-item" href="/feed/feedAdd.jsp">메모 등록</a></li>
          <li><a class="dropdown-item" href="/feed/feedList.jsp">메모 목록</a></li>
        </ul>
      </li>

      <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">회원 메뉴</a>
        <ul class="dropdown-menu">
          <% if(sid == null) { %>
            <li><a class="dropdown-item" href="/user/login.jsp">로그인</a></li>
            <li><a class="dropdown-item" href="/user/signup.jsp">회원가입</a></li>
          <% } else { %>
            <li><a class="dropdown-item" href="/user/logout.jsp">로그아웃</a></li>
            <li><a class="dropdown-item" href="/user/signout.jsp">회원탈퇴</a></li>
          <% } %>
        </ul>
      </li>

    <%
      if (sid != null && sid.equals("admin")) {
    %>
      <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">관리 메뉴</a>
        <ul class="dropdown-menu">
          <li><a class="dropdown-item" href="/admin/userAll.jsp">회원관리</a></li>
          <li><a class="dropdown-item" href="/admin/feedAll.jsp">메모관리</a></li>
        </ul>
      </li>

    <%
      }
    %>
  </ul>
</div>
</div>
</nav>

<!-- navbar (bottom) -->
<nav class="navbar fixed-bottom navbar-expand-sm navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="/main.jsp">MyMEMO</a>
    <!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarCollapse" aria-controls="na
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarCollapse">
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link active" aria-current="page" href="#">Home</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Link</a>
      </li>
      <li class="nav-item">
        <a class="nav-link disabled">Disabled</a>
      </li>
      <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">Dropup</a>
        <ul class="dropdown-menu">
          <li><a class="dropdown-item" href="#">Action</a></li>
          <li><a class="dropdown-item" href="#">Another action</a></li>
          <li><a class="dropdown-item" href="#">Something else here</a></li>
        </ul>
      </li>
    </ul>
  </div>
</div>
</nav>

```

▼ footer.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!-- bootstrap JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-kenU1KFdBIE4zVF0s0G61"

```

▼ feedAdd.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String msg = request.getParameter("msg");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 작성</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
<%
    if(sid != null) {
%>
<form class="container" action="feedAddCheck.jsp" method="post">
    <h1 class="h3 mb-3 fw-normal mt-5">메모 작성</h1>

    <label for="id">작성자 ID</label>
    <input type="text" class="form-control" id="id" name="id" value="<%= sid %>" readonly>

    <label for="content">작성글</label>
    <textarea id="summernote" name="content"></textarea>

    <button class="w-100 btn btn-lg btn-primary" type="submit">작성</button>
</form>
<%
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="modalHeader">

            </h1>
            </div>
            <div class="modal-body" id="modalBody">

            </div>
            <div class="modal-footer" id="modal-footer">
                <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
                <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
            </div>
        </div>
    </div>
</div>
<%@ include file="/include/footer.jsp" %>
<link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.css" rel="stylesheet">
<script src="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.js"></script>
<script>
$(function(){

    var msg = '<%= msg %>';
    var sid = '<%= sid %>';

    $('#summernote').summernote({
        placeholder: '메모 작성',
        tabsize: 4,
        height: 200,
        toolbar: [
            ['style', ['style']],
            ['font', ['bold', 'underline', 'clear']],
            ['color', ['color']],
            ['para', ['ul', 'ol', 'paragraph']],
            ['table', ['table']],
            ['insert', ['link', 'picture', 'video']],
            ['view', ['fullscreen', 'codeview', 'help']]
        ]
    });

    console.log(msg);
    if(msg != 'null') {
        switch (msg) {
            case 'fail':
                popModal('등록 실패', '메모 등록에 실패했습니다. 잠시 후 다시 시도해 주세요. ');
                break;
            }
        } else {
            if(sid == 'null') {
                $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.f');
                popModal('접근 불가', '로그인한 회원만 이용가능합니다. ');
            }
        }
    }
}

```

```

    }

    function popModal(head, body) {
        $('#modalHeader').text(head);
        $('#modalBody').html(body);
        $('#exampleModal').modal('show');
    }
    });
</script>
</body>
</html>

```

▼ feedAddCheck.jsp

```

<%@page import="jdbc.FeedDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");

    String id = request.getParameter("id");
    String content = request.getParameter("content");

    if (FeedDAO.insert(id, content)) {
        System.out.println("피드 등록 성공");
        response.sendRedirect("/feed/feedList.jsp?msg=success");
    } else {
        System.out.println("피드 등록 실패");
        response.sendRedirect("/feed/feedAdd.jsp?msg=fail");
    }
}
%>

```

▼ feedList.jsp

```

<%@page import="java.util.List"%>
<%@page import="jdbc.FeedDAO"%>
<%@page import="jdbc.FeedDTO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String msg = request.getParameter("msg");
    List<FeedDTO> list = FeedDAO.getAllList();
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 목록</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
<%
    if (sid != null) {
%>
<div class="container my-5 pb-5">
    <h3>메모 목록</h3>
    <table class="table table-hover table-striped">
        <thead>
            <tr>
                <th scope="col">no</th>
                <th scope="col">ID</th>
                <th scope="col">Content</th>
                <th scope="col">Date</th>
            </tr>
        </thead>
        <tbody>
<%
        for (FeedDTO fDto: list) {
%>
            <tr>
                <td><%= fDto.getNo() %></td>
                <td><%= fDto.getId() %></td>
                <td><%= fDto.getContent() %></td>
                <td><%= fDto.getTs() %></td>
            </tr>
<%
        }
    }
%>

```



```

    }
    %>
    </tbody>
  </table>
</div>
<%
}
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h1 class="modal-title fs-5" id="modalHeader">

        </h1>
      </div>
      <div class="modal-body" id="modalBody">

      </div>
      <div class="modal-footer" id="modal-footer">
        <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
        <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
      </div>
    </div>
  </div>
</div>
<%@ include file="/include/footer.jsp" %>
<script>
$(function(){

  var msg = '<%= msg %>';
  var sid = '<%= sid %>';

  console.log(msg);
  if(msg != 'null') {
    switch (msg) {
      case 'success':
        popModal('등록 성공', '메모 등록에 성공했습니다.')
        break;
    }
  } else {
    if(sid == 'null') {
      $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.F
        popModal('접근 불가', '로그인한 회원만 이용가능합니다.');
    }
  }
}

function popModal(head, body) {
  $('#modalHeader').text(head);
  $('#modalBody').html(body);
  $('#exampleModal').modal('show');
}
});
</script>
</body>
</html>

```

관리자 전용 메뉴

공통

▼ header.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
String sid = (String) session.getAttribute("sid");
if(sid != null) {
    session.setAttribute("sid", sid);
}
%>
<meta name="viewport" content="width=device-width, initial-scale=1.0">

```

```

<!-- bootstrap CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2VBKQf"
<!-- jQuery CDN -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXy0G+800xUf+/Im1MZjXxxg0cBQBxU=" crossorigin="
<!-- navbar (top) -->
<nav class="navbar navbar-expand-sm navbar-dark bg-dark" aria-label="Tenth navbar example">
  <div class="container-fluid">
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarsExample08" aria-controls="navbarsExample08"
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse justify-content-md-center" id="navbarsExample08">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="/main.jsp">My Memo</a>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">메모 메뉴</a>
          <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="/feed/feedAdd.jsp">메모 등록</a></li>
            <li><a class="dropdown-item" href="/feed/feedList.jsp">메모 목록</a></li>
          </ul>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">회원 메뉴</a>
          <ul class="dropdown-menu">
            <% if(sid == null) { %>
            <li><a class="dropdown-item" href="/user/login.jsp">로그인</a></li>
            <li><a class="dropdown-item" href="/user/signup.jsp">회원가입</a></li>
            <% } else { %>
            <li><a class="dropdown-item" href="/user/logout.jsp">로그아웃</a></li>
            <li><a class="dropdown-item" href="/user/signout.jsp">회원탈퇴</a></li>
            <% } %>
          </ul>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">관리 메뉴</a>
          <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="/admin/userAll.jsp">회원관리</a></li>
            <li><a class="dropdown-item" href="/admin/feedAll.jsp">메모관리</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>

<!-- navbar (bottom) -->
<nav class="navbar fixed-bottom navbar-expand-sm navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="/main.jsp">MyMEMO</a>
    <!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarCollapse" aria-controls="navbarCollapse"
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarCollapse">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled">Disabled</a>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">Dropup</a>
          <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="#">Action</a></li>
            <li><a class="dropdown-item" href="#">Another action</a></li>
            <li><a class="dropdown-item" href="#">Something else here</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>

```

▼ footer.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!-- bootstrap JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-kenU1KFdBIe4zVF0s0G1M" data-bbox="151 118 886 158">
```

관리자 전용 처리

▼ feedAll.jsp

```
<%@page import="jdbc.FeedDAO"%>
<%@page import="jdbc.FeedDTO"%>
<%@page import="java.util.List"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String msg = request.getParameter("msg");
    List<FeedDTO> list = FeedDAO.getAllList();
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 목록</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
<%
    if (sid != null && sid.equals("admin")) {
%>
        <div class="container my-5 pb-5">
            <h3>메모 목록</h3>
            <table class="table table-hover table-striped">
                <thead>
                    <tr>
                        <th scope="col">no</th>
                        <th scope="col">ID</th>
                        <th scope="col">Content</th>
                        <th scope="col">Date</th>
                    </tr>
                </thead>
                <tbody>
                    <%
                        for (FeedDTO fDto: list) {
                    %>
                        <tr>
                            <td><%= fDto.getNo() %></td>
                            <td><%= fDto.getId() %></td>
                            <td><%= fDto.getContent() %></td>
                            <td><%= fDto.getTs() %></td>
                        </tr>
                    <%
                        }
                    %>
                </tbody>
            </table>
        </div>
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="modalHeader">
            </h1>
            </div>
            <div class="modal-body" id="modalBody">
            </div>
            <div class="modal-footer" id="modal-footer">
                <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
                <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
            </div>
        </div>
    </div>
</div>
```

```

</div>
<%% include file="/include/footer.jsp" %>
<script>
$(function(){

    var msg = '<%= msg %>';
    var sid = '<%= sid %>';

    console.log(msg);
    if(msg != 'null') {
        switch (msg) {
            case 'success':
                popModal('등록 성공', '메모 등록에 성공했습니다.')
                break;
            }
        } else {
            if(sid == 'null') {
                $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.f
                popModal('접근 불가', '관리자만 이용가능합니다.');
            }
        }
    }

    function popModal(head, body) {
        $('#modalHeader').text(head);
        $('#modalBody').html(body);
        $('#exampleModal').modal('show');
    }
});
</script>
</body>
</html>

```

▼ userAll.jsp

```

<%%@page import="jdbc.UserDAO"%>
<%%@page import="jdbc.UserDTO"%>
<%%@page import="java.util.List"%>
<%%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>

<%
    String msg = request.getParameter("msg");
    List<UserDTO> list = UserDAO.selectList();
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>회원 목록</title>
</head>
<body>
<%% include file="/include/header.jsp" %>
<%
    if (sid != null && sid.equals("admin")) {
%>
<div class="container my-5 pb-5">
<h3>회원 목록</h3>
<table class="table table-hover table-striped">
    <thead>
        <tr>
            <th scope="col">ID</th>
            <th scope="col">Name</th>
            <th scope="col">Date</th>
        </tr>
    </thead>
    <tbody>
<%
        for (UserDTO uDto: list) {
%>
        <tr>
            <td><%= uDto.getId() %></td>
            <td><%= uDto.getName() %></td>
            <td><%= uDto.getTs() %></td>
        </tr>
<%
        }
%>
    </tbody>
</table>
</div>
<%
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">

```

```

<div class="modal-dialog">
  <div class="modal-content">
    <div class="modal-header">
      <h1 class="modal-title fs-5" id="modalHeader">

      </h1>
    </div>
    <div class="modal-body" id="modalBody">

    </div>
    <div class="modal-footer" id="modal-footer">
      <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
      <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
    </div>
  </div>
</div>
<%@ include file="/include/footer.jsp" %>
<script>
$(function(){

  var msg = '<%= msg %>';
  var sid = '<%= sid %>';

  console.log(msg);
  if(msg != 'null') {
    switch (msg) {
      case 'success':
        popModal('등록 성공', '메모 등록에 성공했습니다.')
        break;
      }
    } else {
      if(sid == 'null') {
        $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.f
        popModal('접근 불가', '관리자만 이용가능합니다. ');
      }
    }
  }

  function popModal(head, body) {
    $('#modalHeader').text(head);
    $('#modalBody').html(body);
    $('#exampleModal').modal('show');
  }
});
</script>
</body>
</html>

```

AJAX로 처리

공통

▼ header.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
String sid = (String) session.getAttribute("sid");
/* if(sid != null) {
    session.setAttribute("sid", sid);
} */
%>
<meta name="viewport" content="width=device-width, initial-scale=1.0">

<!-- bootstrap CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2VBKQf
<!-- jQuery CDN -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXy0G+800xUf+/Im1MzjXxxg0cBQBxU=" crossorigin="
<!-- navbar (top) -->
<nav class="navbar navbar-expand-sm navbar-dark bg-dark" aria-label="Tenth navbar example">
  <div class="container-fluid">
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarsExample08" aria-controls="navba
    <span class="navbar-toggler-icon"></span>
  </button>

```

```

<div class="collapse navbar-collapse justify-content-md-center" id="navbarsExample08">
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link active" aria-current="page" href="/mainAjax.jsp">My Memo</a>
    </li>
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">메모 메뉴</a>
      <ul class="dropdown-menu">
        <li><a class="dropdown-item" href="/feedAjax/feedAdd.jsp">메모 등록</a></li>
        <li><a class="dropdown-item" href="/feedAjax/feedList.jsp">메모 목록</a></li>
      </ul>
    </li>

    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">회원 메뉴</a>
      <ul class="dropdown-menu">
        <% if(sid == null) { %>
        <li><a class="dropdown-item" href="/userAjax/login.jsp">로그인</a></li>
        <li><a class="dropdown-item" href="/userAjax/signup.jsp">회원가입</a></li>
        <% } else { %>
        <li><a class="dropdown-item" href="/userAjax/logout.jsp">로그아웃</a></li>
        <li><a class="dropdown-item" href="/userAjax/signout.jsp">회원탈퇴</a></li>
        <% } %>
      </ul>
    </li>

    <%
    if (sid != null && sid.equals("admin")) {
    %>
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">관리 메뉴</a>
      <ul class="dropdown-menu">
        <li><a class="dropdown-item" href="/adminAjax/userAll.jsp">회원관리</a></li>
        <li><a class="dropdown-item" href="/adminAjax/feedAll.jsp">메모관리</a></li>
      </ul>
    </li>
    <%
    }
    %>
  </ul>
</div>
</nav>

<!-- navbar (bottom) -->
<nav class="navbar fixed-bottom navbar-expand-sm navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="/mainAjax.jsp">MyMEMO</a>
    <!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarCollapse" aria-controls="na
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarCollapse">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled">Disabled</a>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">Dropup</a>
          <ul class="dropdown-menu">
            <li><a class="dropdown-item" href="#">Action</a></li>
            <li><a class="dropdown-item" href="#">Another action</a></li>
            <li><a class="dropdown-item" href="#">Something else here</a></li>
          </ul>
        </li>
      </ul>
    </div>-->
  </div>
</nav>

```

▼ footer.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!-- bootstrap JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-kenU1KFdB1e4zVF0s0G1M

```

피드

▼ feedAdd.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 작성</title>
</head>
<body>
<%@ include file="/includeAjax/header.jsp" %>
<%
    if(sid != null) {
%>
<form class="container" action="" method="post">
    <h1 class="h3 mb-3 fw-normal mt-5">메모 작성</h1>

    <label for="id">작성자 ID</label>
    <input type="text" class="form-control" id="id" name="id" value="<%= sid %>" readonly>

    <label for="content">작성글</label>
    <textarea id="summernote" name="content"></textarea>

    <button class="w-100 btn btn-lg btn-primary" type="button" id="regBtn">작성</button>
</form>
<%
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="modalHeader">

            </h1>
            </div>
            <div class="modal-body" id="modalBody">

            </div>
            <div class="modal-footer" id="modal-footer">
                <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
                <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
            </div>
        </div>
    </div>
</div>
<%@ include file="/includeAjax/footer.jsp" %>
<link href="https://cdn.jsdelivrivr.net/npm/summernote@0.8.18/dist/summernote-lite.css" rel="stylesheet">
<script src="https://cdn.jsdelivrivr.net/npm/summernote@0.8.18/dist/summernote-lite.js"></script>
<script>
$(function(){

    var sid = '<%= sid %>';

    $('#summernote').summernote({
        placeholder: '메모 작성',
        toolbar: [
            ['style', ['style']],
            ['font', ['bold', 'underline', 'clear']],
            ['color', ['color']],
            ['para', ['ul', 'ol', 'paragraph']],
            ['table', ['table']],
            ['insert', ['link', 'picture', 'video']],
            ['view', ['fullscreen', 'codeview', 'help']]
        ]
    });

    if(sid == 'null') {
        $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.href=popModal('접근 불가', '로그인한 회원만 이용가능합니다.');"');
    }

    function popModal(head, body) {
        $('#modalHeader').text(head);
    }
}

```

```

        $('#modalBody').html(body);
        $('#exampleModal').modal('show');
    }

    $('#regBtn').on('click', function(){
        fetch('/feedAjax/feedAddCheck.jsp', {
            method: "post",
            body: new URLSearchParams({
                id: $('#id').val(),
                content: $('#summernote').val()
            })
        })
        .then(resp => resp.text())
        .then(data => {
            console.log(data);
            data = data.trim();
            if (data == 'success') {
                location.href = "/feedAjax/feedList.jsp?msg=success";
            } else if (data == 'fail') {
                popModal('메모 저장 실패', '잠시후 다시 시도해 주세요.')
            }
        })
        .catch(err => console.log('Error : ', err));
    });
});
</script>
</body>
</html>

```

▼ feedAddCheck.jsp

```

<%@page import="jdbc.FeedDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    request.setCharacterEncoding("UTF-8");
    response.setContentType("text/html; charset=UTF-8");

    String id = request.getParameter("id");
    String content = request.getParameter("content");

    if (FeedDAO.insert(id, content)) {
        System.out.println("피드 등록 성공");
        response.getWriter().write("success");
    } else {
        System.out.println("피드 등록 실패");
        response.getWriter().write("fail");
    }
%>

```

▼ feedCheckAjax.jsp

```

<%@page import="jdbc.FeedDAO"%>
<%@page import="jdbc.FeedDTO"%>
<%@page import="java.util.List"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String id = request.getParameter("id");
    System.out.println("id : " + id);
    out.print(FeedDAO.getListAjax(id));
%>

```

▼ feedList.jsp

```

<%@page import="java.util.List"%>
<%@page import="jdbc.FeedDAO"%>
<%@page import="jdbc.FeedDTO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%

```



```
String msg = request.getParameter("msg");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 목록</title>
</head>
<body>
<%@ include file="/includeAjax/header.jsp" %>
<%
    if (sid != null) {
%>
<div class="container my-5 pb-5">
<h3>메모 목록</h3>
<table class="table table-hover table-striped">
<thead>
<tr>
<th scope="col">no</th>
<th scope="col">ID</th>
<th scope="col">Content</th>
<th scope="col">Date</th>
</tr>
</thead>
<tbody id="dataTable">

<!-- <tr>
<td><%= fDto.getNo() %></td>
<td><%= fDto.getId() %></td>
<td><%= fDto.getContent() %></td>
<td><%= fDto.getTs() %></td>
</tr> --%>

</tbody>
</table>
</div>
<%
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<h1 class="modal-title fs-5" id="modalHeader">

</h1>
</div>
<div class="modal-body" id="modalBody">

</div>
<div class="modal-footer" id="modal-footer">
<button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
<!-- <button type="button" class="btn btn-primary">Save changes</button> -->
</div>
</div>
</div>
</div>
<%@ include file="/includeAjax/footer.jsp" %>
<script>
$(function(){

    var msg = '<%= msg %>';
    var sid = '<%= sid %>';

    console.log(msg);
    if(msg != 'null') {
        switch (msg) {
            case 'success':
                popModal('등록 성공', '메모 등록에 성공했습니다.')
                break;
            }
        }
    } else {
        if(sid == 'null') {
            $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.f
            popModal('접근 불가', '로그인한 회원만 이용가능합니다.');
```

```

        method: "post",
        body: new URLSearchParams({
            id: sid
        })
    })
    .then(resp => resp.json())
    .then(data => {
        console.log(data);
        for ( var i = 0; i < data.length; i++) {
            $('#dataTable').append('<tr>'
                + '<td>' + data[i].no + '</td>'
                + '<td>' + data[i].id + '</td>'
                + '<td>' + data[i].content + '</td>'
                + '<td>' + data[i].ts + '</td>'
                + '</tr>'
            );
        }
    })
    .catch(err => console.log('Error : ', err));
}
});
</script>
</body>
</html>

```

관리자

▼ feedAll.jsp

```

<%@page import="jdbc.FeedDAO"%>
<%@page import="jdbc.FeedDTO"%>
<%@page import="java.util.List"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String msg = request.getParameter("msg");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메모 목록</title>
</head>
<body>
<%@ include file="/includeAjax/header.jsp" %>
<%
    if (sid != null && sid.equals("admin")) {
%>
        <div class="container my-5 pb-5">
            <h3>메모 목록</h3>
            <table class="table table-hover table-striped">
                <thead>
                    <tr>
                        <th scope="col">no</th>
                        <th scope="col">ID</th>
                        <th scope="col">Content</th>
                        <th scope="col">Date</th>
                    </tr>
                </thead>
                <tbody id="dataTable">

                    <!-- <tr>
                        <td><%= fDto.getNo() %></td>
                        <td><%= fDto.getId() %></td>
                        <td><%= fDto.getContent() %></td>
                        <td><%= fDto.getTs() %></td>
                    </tr> --%>

                </tbody>
            </table>
        </div>
    <%
    }
%>
    <!-- Modal -->
    <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
        <div class="modal-dialog">
            <div class="modal-content">
                <div class="modal-header">
                    <h1 class="modal-title fs-5" id="modalHeader">

```

```

        </h1>
    </div>
    <div class="modal-body" id="modalBody">

    </div>
    <div class="modal-footer" id="modal-footer">
        <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
        <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
    </div>
    </div>
    </div>
    <%% include file="/includeAjax/footer.jsp" %>
    <script>
    $(function(){

        var msg = '<%= msg %>';
        var sid = '<%= sid %>';

        console.log(msg);

        if(sid == 'null' || sid != 'admin') {
            $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.href=popModal('접근 불가', '관리자만 이용가능합니다.');">
        }

        function popModal(head, body) {
            $('#modalHeader').text(head);
            $('#modalBody').html(body);
            $('#exampleModal').modal('show');
        }

        onload = function () {
            fetch('/adminAjax/feedCheckAjax.jsp')
                .then(resp => resp.json())
                .then(data => {
                    console.log(data);
                    for ( var i = 0; i < data.length; i++) {
                        $('#dataTable').append('<tr>'
                            + '<td>' + data[i].no + '</td>'
                            + '<td>' + data[i].id + '</td>'
                            + '<td>' + data[i].content + '</td>'
                            + '<td>' + data[i].ts + '</td>'
                            + '</tr>'
                        );
                    }
                })
                .catch(err => console.log('Error : ', err));
        }
    });
    </script>
    </body>
    </html>

```

▼ feedCheckAjax.jsp

```

<%%@page import="jdbc.FeedDAO"%>
<%%@page import="java.util.List"%>
<%%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    out.print(FeedDAO.getAllListAjax());
%>

```

▼ userAll.jsp

```

<%%@page import="jdbc.UserDAO"%>
<%%@page import="jdbc.UserDTO"%>
<%%@page import="java.util.List"%>
<%%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
    String msg = request.getParameter("msg");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>회원 목록</title>

```

```

</head>
<body>
<%@ include file="/includeAjax/header.jsp" %>
<%
    if (sid != null && sid.equals("admin")) {
%>
<div class="container my-5 pb-5">
    <h3>회원 목록</h3>
    <table class="table table-hover table-striped">
        <thead>
            <tr>
                <th scope="col">ID</th>
                <th scope="col">Name</th>
                <th scope="col">Date</th>
            </tr>
        </thead>
        <tbody id="dataTable">

            <%-- <tr>
                <td><%= uDto.getId() %></td>
                <td><%= uDto.getName() %></td>
                <td><%= uDto.getTs() %></td>
            </tr> --%>

        </tbody>
    </table>
</div>
<%
    }
%>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="modalHeader">

            </h1>
        </div>
        <div class="modal-body" id="modalBody">

        </div>
        <div class="modal-footer" id="modal-footer">
            <button type="button" class="btn btn-primary" data-bs-dismiss="modal">확인</button>
            <!-- <button type="button" class="btn btn-primary">Save changes</button> -->
        </div>
    </div>
</div>
<!-- Modal -->
<%@ include file="/includeAjax/footer.jsp" %>
<script>
$(function(){

    var msg = '<%= msg %>';
    var sid = '<%= sid %>';

    console.log(msg);

    if(sid == 'null' || sid != 'admin') {
        $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.href=popModal('접근 불가', '관리자만 이용가능합니다.');">
    }

    function popModal(head, body) {
        $('#modalHeader').text(head);
        $('#modalBody').html(body);
        $('#exampleModal').modal('show');
    }

    onload = function () {
        fetch('/adminAjax/userCheckAjax.jsp')
            .then(resp => resp.json())
            .then(data => {
                console.log(data);
                for ( var i = 0; i < data.length; i++) {
                    $('#dataTable').append('<tr>'
                        + '<td>' + data[i].id + '</td>'
                        + '<td>' + data[i].name + '</td>'
                        + '<td>' + data[i].ts + '</td>'
                        + '</tr>'
                    );
                }
            })
            .catch(err => console.log('Error : ', err));
    }
}

```

```
});  
</script>  
</body>  
</html>
```

▼ userCheckAjax.jsp

```
<%@page import="jdbc.UserDAO"%>  
<%@page import="java.util.List"%>  
<%@ page language="java" contentType="text/html; charset=UTF-8"  
    pageEncoding="UTF-8"%>  
<%  
    out.print(UserDAO.selectListAJAX());  
%>
```