

# Class[MemoNote semi Project 2]

## ▼ ADA Story

Ada lovelace.pdf

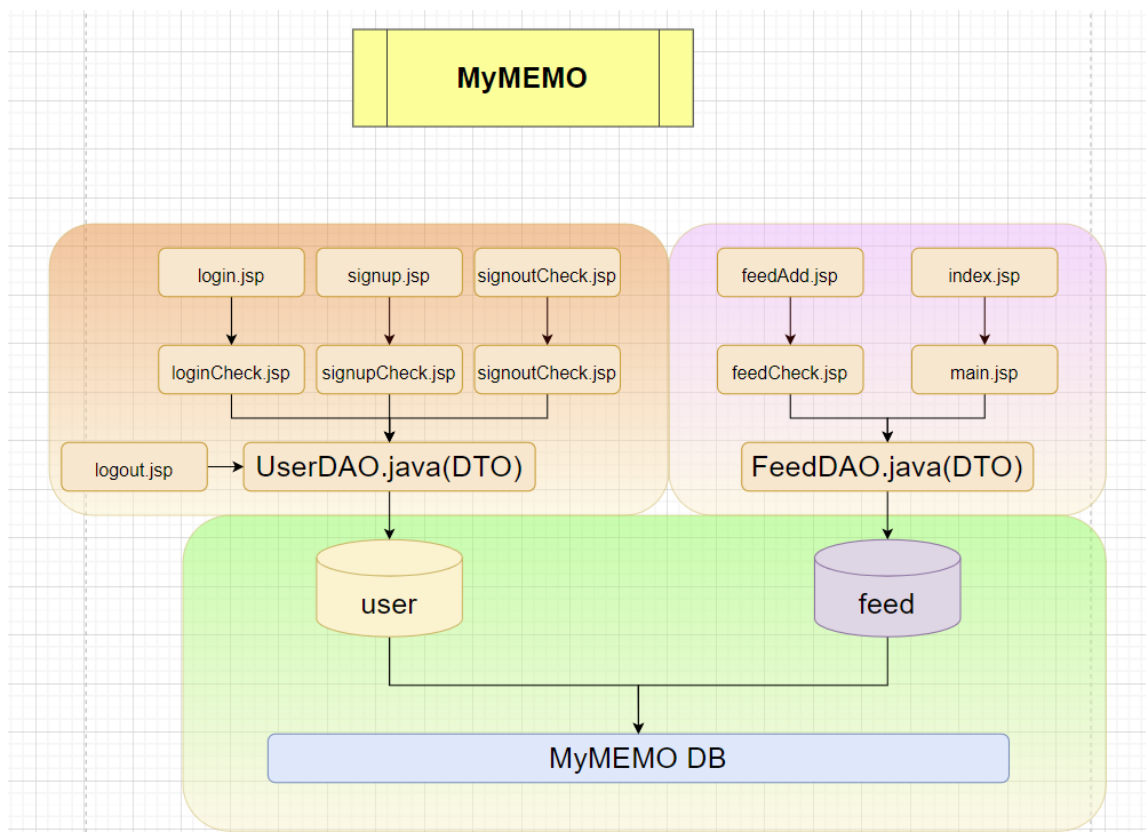
<https://drive.google.com/file/d/10x-O8rKHCqHo3PnKNcJh-IYvfonSFkel/view?usp=drivesdk>



## ▼ MemoNote Project 2

### ▼ 프로젝트 구성 (Semi)

Project Name : MyMEMO



### ▼ DB 설계


## feed(TABLE)

Columns: <span>+</span> Add <span>✕</span> Remove <span>▲</span> Up <span>▼</span> Down							
#	Name	Datatype	Length/Set	Unsigned	Allow NU...	Zerofill	Default
1	no	INT	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREME...
2	id	VARCHAR	128	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
3	content	LONGTEXT		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
4	ts	TIMESTAMP		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CURRENT_TIMES...

```
CREATE TABLE `feed` (
  `no` INT(10) UNSIGNED NOT NULL AUTO_INCREMENT,
  `id` VARCHAR(128) 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
;
```

## ▼ 로직 설계 & 화면 구성

### main.jsp

My MEMO	
	
작성 메모 리스트	
gi	2023-01-31 10:27:06
asfesaf	
kim	2023-01-31 10:15:34
gagef	

```
<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>메인</title>

<style>
.bd-placeholder-img {
    font-size: 1.125rem;
    text-align: middle;
    -webkit-user-select: none;
    -moz-user-select: none;
    user-select: none;
}

@media (min-width: 768px) {
    .bd-placeholder-img-lg {
```

```

        font-size: 3.5rem;
    }
}

.b-example-divider {
    height: 3rem;
    background-color: rgba(0, 0, 0, .1);
    border: solid rgba(0, 0, 0, .15);
    border-width: 1px 0;
    box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {
    flex-shrink: 0;
    width: 1.5rem;
    height: 100vh;
}

.bi {
    vertical-align: -.125em;
    fill: currentColor;
}

.nav-scroller {
    position: relative;
    z-index: 2;
    height: 2.75rem;
    overflow-y: hidden;
}

.nav-scroller .nav {
    display: flex;
    flex-wrap: nowrap;
    padding-bottom: 1rem;
    margin-top: -1px;
    overflow-x: auto;
    text-align: center;
    white-space: nowrap;
    -webkit-overflow-scrolling: touch;
}
</style>

</head>

<body class="text-center">
<%@ include file="header.jsp"%>
<%
sid = (String) session.getAttribute("id");
if( sid == null) {%>
<div class="modal fade" id="exampleModal1" 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="exampleModalLabel">메시지</h1>
                <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">
                회원전용메뉴입니다.
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" onclick="location.href = 'login.jsp'" data-bs-dismiss="modal">로그인 0
            </div>
        </div>
    </div>
</div>

<script>
    $(function() {
        $("#exampleModal1").modal("show");
    });
</script><%
} else {
    session.setAttribute("id", sid);
}
%>

<br><br>
<div class="container">
<main class="form-signin w-100 m-auto">

    <h1 class="h3 mb-3 fw-normal" style="padding-top: 100px;">My MEMO</h1>
    <br>

```

```

</main>

</div>
<b> 작성 메모 리스트</b>
<table class="form-signin w-100 m-auto">
<tr align="center"><td></td></tr>
<!-- 번호 아이디 내용 날짜-->

<% ArrayList<feedDTO> feeds = feedDAO.getAllList();

for(feedDTO feed : feeds) {
%>

<tr><td colspan="2"><hr></td></tr>
<tr><td><%= feed.getId() %></td>
<td><small><%= feed.getTs() %></small></td>

</tr>

<tr><td colspan="2"><%= feed.getContent() %></td></tr>

%> %>

</table>

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

</html>

```

## feedAdd.jsp

### 글작성

아이디

내용

이미지

파일 선택

선택된 파일 없음

업로드하기

```

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

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMX0G+800xUf+/Im1MZjXxxg0cBQBxU=" cross
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfdkME

```

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body class="text-center">
<h3>글작성</h3><br>
<form action="feedCheck.jsp" method="post">
<div> 아이디 </div> <input type="text" name="id" placeholder="ID"><br>
<div> 내용 </div> <textarea rows="2" cols="20" name="content"></textarea><br><br>
이미지 <input type="file"><br><br>
<button type="submit">업로드하기</button>
</form>
</body>
</html>

```

## feedDTO

```

package jdbc;

public class feedDTO {

    private String no, id, content, ts;

    public String getNo() {
        return no;
    }

    public void setNo(String 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;
    }

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

    public feedDTO() {
        super();
    }

}

```

## feedDAO

```

package jdbc;

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

import javax.naming.NamingException;

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

import util.ConnectionPool;

public class feedDAO {

    private static PreparedStatement pstmt;
    private static String sql;
    private static ResultSet rs;
    feedDTO fdto;
    private static Connection conn;

    public static boolean insert(String id, String content) throws SQLException, NamingException {

        try {
            sql = " INSERT INTO feed (id, content) "
                + " VALUES(?, ?) ";

            conn = ConnectionPool.get();

            pstmt = conn.prepareStatement(sql);

            pstmt.setString(1, id);
            pstmt.setString(2, content);

            int result = pstmt.executeUpdate();
            if (result == 1) {
                return true;
            }
        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if(pstmt != null)
                pstmt.close();
            if(conn != null)
                conn.close();
        }

        return false;
    }

    //전체 메모 보기
    public static ArrayList<feedDTO> getAllList() throws SQLException, NamingException{

        ArrayList<feedDTO> feeds = new ArrayList<feedDTO>();

        try {
            sql = " SELECT * FROM feed ORDER BY ts DESC ";

            conn = ConnectionPool.get();

            pstmt = conn.prepareStatement(sql);

            rs = pstmt.executeQuery();

            while(rs.next()) {
                feeds.add(new feedDTO(rs.getString(1),
                    rs.getString(2),
                    rs.getString(3),
                    rs.getString(4)));
            }

            return feeds;
        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if(pstmt != null)
                pstmt.close();
            if(conn != null)
                conn.close();
        }
    }
}

```

```

        return feeds;

    }

    //회원 자신의 메모만 보기
    public static ArrayList<feedDTO> getOneList(String id) throws SQLException, NamingException{

        ArrayList<feedDTO> feeds = new ArrayList<feedDTO>();

        try {
            sql = " SELECT * FROM feed where id=? ORDER BY ts DESC ";

            conn = ConnectionPool.get();

            pstmt = conn.prepareStatement(sql);

            pstmt.setString(1, id);

            rs = pstmt.executeQuery();

            while(rs.next()) {
                feeds.add(new feedDTO(rs.getString(1),
                    rs.getString(2),
                    rs.getString(3),
                    rs.getString(4)));
            }

            return feeds;

        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if(pstmt != null)
                pstmt.close();
            if(conn != null)
                conn.close();
        }

        return feeds;

    }

    //AJAX로 모든 리스트 출력 매서드
    public static String getListAJAX() throws SQLException, NamingException{

        JSONArray feeds = new JSONArray();

        try {
            sql = " SELECT * FROM feed ORDER BY ts DESC ";

            conn = ConnectionPool.get();

            pstmt = conn.prepareStatement(sql);

            rs = pstmt.executeQuery();

            while(rs.next()) {
                JSONObject obj = new JSONObject();
                obj.put("no", rs.getString(1));
                obj.put("id", rs.getString(2));
                obj.put("content", rs.getString(3));
                obj.put("ts", rs.getString(4));

                feeds.add(obj);
            }

            return feeds.toJSONString();

        } catch (SQLException e) {
            e.printStackTrace();
        } finally {
            if(pstmt != null)
                pstmt.close();
            if(conn != null)
                conn.close();
        }

        return feeds.toJSONString();

    }

```

```
}
```

## feedCheck.jsp

```
<%@page import="jdbc.feedDAO"%>
<%@page import="jdbc.feedDTO"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMY06+800xUf+/Im1MZjXxxg0cBQBxU=" cross
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfdkME

<!DOCTYPE html>
<%
    request.setCharacterEncoding("UTF-8");

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

    if(feedDAO.insert(id, content)) {
        %>
        <div class="modal fade" id="exampleModal1" 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="exampleModalLabel">My MEMO</h1>
                        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                    </div>
                    <div class="modal-body">
                        등록 성공
                    </div>
                    <div class="modal-footer">
                        <button type="button" class="btn btn-secondary" onclick="location.href = 'main.jsp'" data-bs-dismiss="modal">메인 이
                    </div>
                </div>
            </div>
        </div>

        <script>
            $(function() {
                $("#exampleModal1").modal("show");
            });
        </script><%
    }else{
        %>
        <div class="modal fade" id="exampleModal2" 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="exampleModalLabel">My MEMO</h1>
                        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                    </div>
                    <div class="modal-body">
                        등록 실패
                    </div>
                    <div class="modal-footer">
                        <button type="button" class="btn btn-secondary" onclick="location.href = 'main.jsp'" data-bs-dismiss="modal">메인 이동</but
                    </div>
                </div>
            </div>
        </div>

        <script>
            $(function() {
                $("#exampleModal2").modal("show");
            });
        </script><%
    }
}

%>
```



## My MEMO



## 게시물 리스트

No.	ID	Content	Register Date
2	gi	asfesaf	2023-01-31 10:27:06
1	kim	gagef	2023-01-31 10:15:34

```

<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>게시물 관리</title>

<style>
.bd-placeholder-img {
  font-size: 1.125rem;
  text-anchor: middle;
  -webkit-user-select: none;
  -moz-user-select: none;
  user-select: none;
}

@media (min-width: 768px) {
  .bd-placeholder-img-lg {
    font-size: 3.5rem;
  }
}

.b-example-divider {
  height: 3rem;
  background-color: rgba(0, 0, 0, .1);
  border: solid rgba(0, 0, 0, .15);
  border-width: 1px 0;
  box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {
  flex-shrink: 0;
  width: 1.5rem;
  height: 100vh;
}

.bi {
  vertical-align: -.125em;
  fill: currentColor;
}

.nav-scroller {
  position: relative;
  z-index: 2;
  height: 2.75rem;
  overflow-y: hidden;
}

```

```

        .nav-scroller .nav {
            display: flex;
            flex-wrap: nowrap;
            padding-bottom: 1rem;
            margin-top: -1px;
            overflow-x: auto;
            text-align: center;
            white-space: nowrap;
            -webkit-overflow-scrolling: touch;
        }
    }
</style>

</head>

<body class="text-center">
<%@ include file="header.jsp"%>
<%
    sid = (String) session.getAttribute("id");
    if( sid == null) {%>
<div class="modal fade" id="exampleModal1" 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="exampleModalLabel">메시지</h1>
                <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">
회원전용메뉴입니다.
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" onclick="location.href = 'login.jsp'" data-bs-dismiss="modal">로그인 0
            </div>
        </div>
    </div>
</div>

<script>
    $(function() {
        $("#exampleModal1").modal("show");
    });
</script><%
    }else {
        session.setAttribute("id", sid);
    }
    %>

<br><br>
<div class="container">
<main class="form-signin w-100 m-auto">

    <h1 class="h3 mb-3 fw-normal" style="padding-top: 100px;">My MEMO</h1>
    <br>

</main>

</div>
<b>게시물 리스트</b>
<table class="table table-hover">
    <thead>
        <tr>
            <th scope="col">No.</th>
            <th scope="col">ID</th>
            <th scope="col">Content</th>
            <th scope="col">Register Date</th>
        </tr>
    </thead>
    <tbody class="table-active" id="ajaxTable">

        <% ArrayList<feedDTO> feeds = feedDAO.getAllList();

        for(feedDTO feed : feeds) {
            %>

            <tr>
                <td scope="col"><%=feed.getNo() %></td>
                <td scope="col"><%=feed.getId() %></td>
                <td scope="col"><%=feed.getContent() %></td>

```

```

<td scope="col"><%=feed.getTs() %></td>
</tr>


<%} %>
</tbody>
</table>

<@ include file="footer.jsp"%>
</body>
<div class="py-5 text-center">
</div>
<script>
var $grid = $(''.all_wrap').imagesLoaded( function() {
    $grid.masonry({
        itemSelector: '.grid-item',
        fitwidth: true
    });
});
</script>

</html>

```

## userAll.jsp

My MEMO 메모메뉴 ▾ 회원메뉴 ▾ 관리자 메뉴 ▾			
<div>My MEMO</div> 			
회원 리스트			
ID	name	Register Date	
kim	kim	2023-01-31 16:26:20	
admin	admin	2023-01-31 16:24:59	

## My MEMO 메모 작성

```

<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>회원관리</title>

<style>
.bd-placeholder-img {
    font-size: 1.125rem;
    text-anchor: middle;
    -webkit-user-select: none;
    -moz-user-select: none;
    user-select: none;
}

@media (min-width: 768px) {
    .bd-placeholder-img-lg {
        font-size: 3.5rem;
    }
}

```

```

.b-example-divider {
  height: 3rem;
  background-color: rgba(0, 0, 0, .1);
  border: solid rgba(0, 0, 0, .15);
  border-width: 1px 0;
  box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {
  flex-shrink: 0;
  width: 1.5rem;
  height: 100vh;
}

.bi {
  vertical-align: -.125em;
  fill: currentColor;
}

.nav-scroller {
  position: relative;
  z-index: 2;
  height: 2.75rem;
  overflow-y: hidden;
}

.nav-scroller .nav {
  display: flex;
  flex-wrap: nowrap;
  padding-bottom: 1rem;
  margin-top: -1px;
  overflow-x: auto;
  text-align: center;
  white-space: nowrap;
  -webkit-overflow-scrolling: touch;
}
</style>

</head>

<body class="text-center">
<%@ include file="header.jsp"%>

<br><br>
<div class="container">
<main class="form-signin w-100 m-auto">

  <h1 class="h3 mb-3 fw-normal" style="padding-top: 100px;">My MEMO</h1>
  <br>

</main>

</div>
<b> 회원 리스트</b>
<table class="table table-hover">
  <thead>
    <tr>
      <th scope="col">ID</th>
      <th scope="col">name</th>
      <th scope="col">Register Date</th>
    </tr>
  </thead>
  <tbody class="table-active" id="ajaxTable">

    <% ArrayList<userDTO> users = userDAO.list();

    for(userDTO user : users) {
    %>

    <tr>
      <td scope="col"><%=user.getId() %></td>
      <td scope="col"><%=user.getName() %></td>
      <td scope="col"><%=user.getTs() %></td>
    </tr>

    <%} %>
  </tbody>
</table>
  <%@ include file="footer.jsp"%>
</body>

<div class="py-5 text-center">

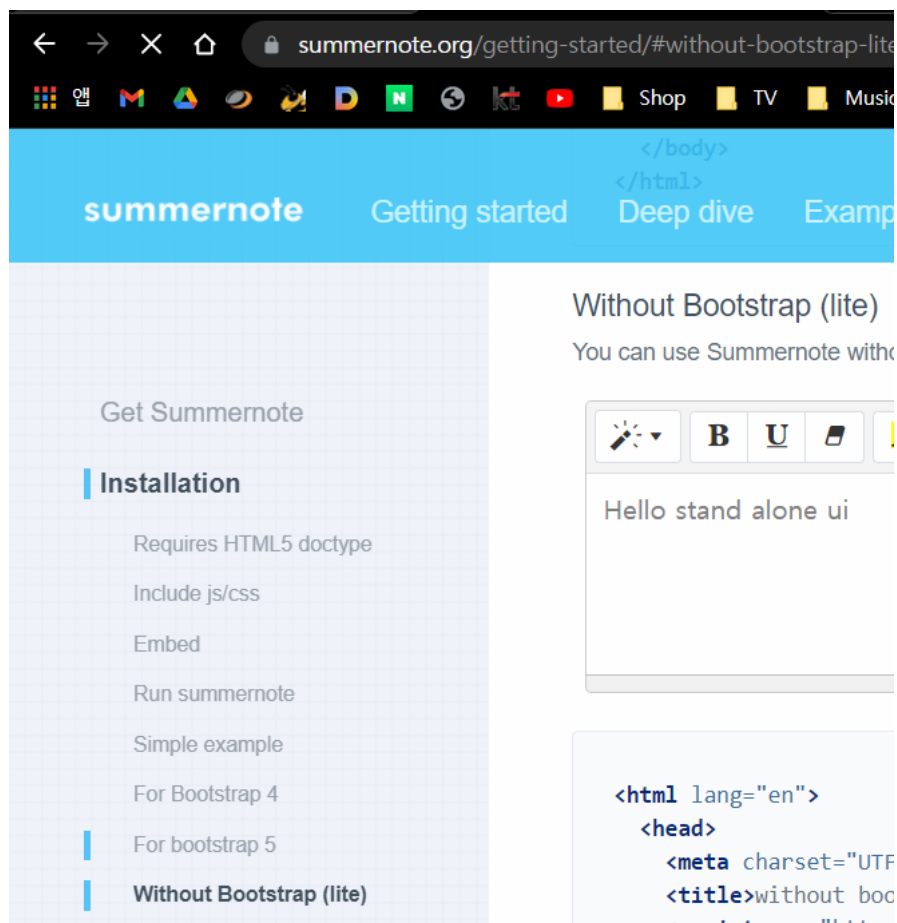
```

```
</div>  
</html>
```

## ▼ 화면 꾸미기

### ▼ SummerNote 적용하기(복습)

💡 bootstrap 4, 5 를 사용하지 말고 lite 버전을 사용한다.



### Script 붙여넣기(1)

```

<meta charset= UTF-8 >
<title>without bootstrap</title>
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-
J6qa4849b1E2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossorigin="anonym
ous"></script>
<link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.m
in.css" rel="stylesheet">
<script src="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.
min.js"></script>
</head>
<body>

```

```

<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-J6qa4849b1E2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7
<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 붙여넣기(2)

Get Summernote

### Installation

- Requires HTML5 doctype
- Include js/css
- Embed
- Run summernote
- Simple example
- For Bootstrap 4
- For bootstrap 5

### Without Bootstrap (lite)

Basic API

i18n support

Integration

```

in.css" rel="stylesheet">
<script src="https://cdn.jsdelivr.net/npm/summernote@0.8.
min.js"></script>
</head>
<body>
<div id="summernote"></div>
<script>
$( '#summernote' ).summernote({
placeholder: 'Hello stand alone ui',
tabsize: 2,
height: 120,
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>

```

```

3
4 </main>
5
6
7 <script>
8   $('#summernote').summernote({
9     placeholder: 'Hello stand alone ui',
10    tabsize: 2,
11    height: 120,
12    toolbar: [
13      ['style', ['style']],
14      ['font', ['bold', 'underline', 'clear']],
15      ['color', ['color']],
16      ['para', ['ul', 'ol', 'paragraph']],
17      ['table', ['table']],
18      ['insert', ['link', 'picture', 'video']],
19      ['view', ['fullscreen', 'codeview', 'help']]
20    ]
21  });
22 </script>
23
24
25 <%@ include file="footer.jsp" %>
26
27 </body>
28 </html>

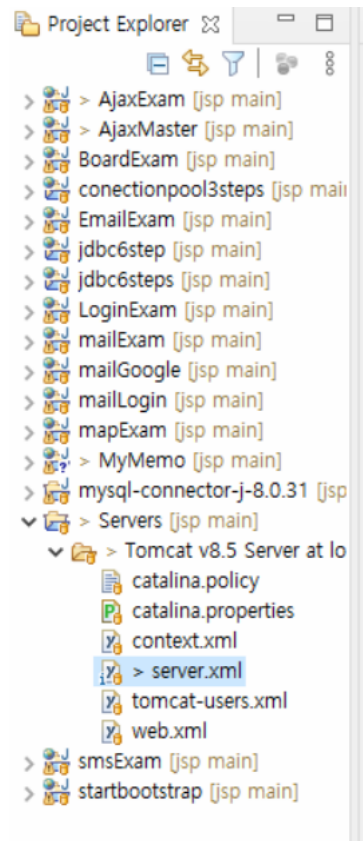
```



SummerNote 또는 사진 첨부 기능에서 큰 용량의 파일이  
해결법

안 올라가는 증상

Server - Tomcat - server.xml

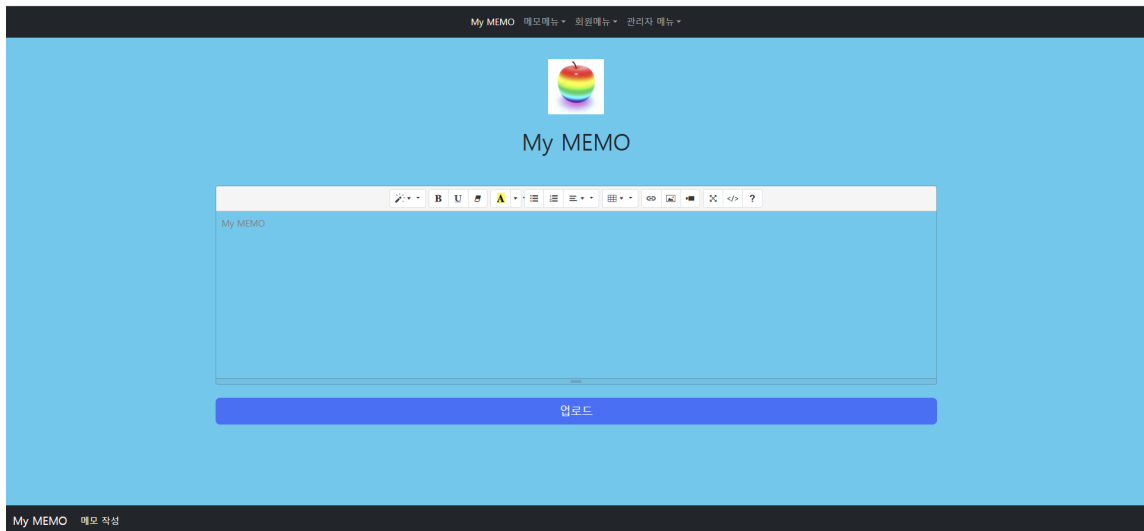


maxPostSize="-1" 로 설정하면 파일 크기의 제약이 사라진다.

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

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>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.css" rel="stylesheet">

<body class="text-center bg-info">
    <%@ include file="header.jsp"%>
    <script src="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-lite.min.js"></script>

    <main class="form-signin w-100 m-auto">
        <form action="feedCheck.jsp" method="post">

<div class="py-5 text-center">

    <h2> </h2>
    
    <h1>My MEMO</h1>
    </div>

<input type="hidden" name="id" value="<%=sid%>">

    <div class="container">
        <div class="col">
            <textarea id="summernote" name="content" class="mtop-10"></textarea>
        </div>
        <br>
        <div class="col">
            <button class="w-100 btn btn-lg btn-primary" type="submit">업로드</button>
        </div>

<div class="py-5 text-center">
</div>
    </div>

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


</body>
<script>
    $('summernote').summernote({
        maximumImageFileSize: '1048576',
        placeholder: 'My MEMO',
        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>
</html>

```

## main.jsp

My MEMO   메모메뉴 ▾   회원메뉴 ▾   관리자 메뉴 ▾				
<div>My MEMO</div>  <div>작성 메모 리스트</div>				
No.	ID	Content	Register Date	
2	gi	asfesaf	2023-01-31 10:27:06	
1	kim	gagef	2023-01-31 10:15:34	

## My MEMO   메모 작성

```

<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>My MEMO</title>

<style>
.bd-placeholder-img {
    font-size: 1.125rem;
    text-anchor: middle;
    -webkit-user-select: none;
    -moz-user-select: none;
    user-select: none;
}

@media (min-width: 768px) {
    .bd-placeholder-img-lg {
        font-size: 3.5rem;
    }
}

.b-example-divider {
    height: 3rem;
    background-color: rgba(0, 0, 0, .1);
    border: solid rgba(0, 0, 0, .15);
    border-width: 1px 0;
    box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {

```



```

</tr>
</thead>
<tbody class="table-active" id="ajaxTable">

    <% ArrayList<feedDTO> feeds = feedDAO.getAllList();

    for(feedDTO feed : feeds) {
    %>

    <tr>
    <td scope="col"><%=feed.getNo() %></td>
    <td scope="col"><%=feed.getId() %></td>
    <td scope="col"><%=feed.getContent() %></td>
    <td scope="col"><%=feed.getTs() %></td>
    </tr>

    <%} %>
</tbody>
</table>
<div class="py-5 text-center">
</div>

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

</html>

```

## header.jsp(세션 값에 따른 화면 구성)

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ page import="java.util.*, java.security.*, java.io.*, java.net.*" %>
<%@page import="jdbc.*"%>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMX0G+800xUf+/Im1MZjXxxg0cBQBxU=" cross
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js" integrity="sha384-w76AqPfdkME

<% String sid = (String) session.getAttribute("id"); %>

<style>
    .bd-placeholder-img {
        font-size: 1.125rem;
        text-align: middle;
        -webkit-user-select: none;
        -moz-user-select: none;
        user-select: none;
    }

    @media (min-width: 768px) {
        .bd-placeholder-img-lg {
            font-size: 3.5rem;
        }
    }

    .b-example-divider {
        height: 3rem;
        background-color: rgba(0, 0, 0, .1);
        border: solid rgba(0, 0, 0, .15);
        border-width: 1px 0;
        box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
    }

    .b-example-vr {
        flex-shrink: 0;
        width: 1.5rem;
        height: 100vh;
    }

    .bi {
        vertical-align: -.125em;
        fill: currentColor;
    }

    .nav-scroller {

```

```

        position: relative;
        z-index: 2;
        height: 2.75rem;
        overflow-y: hidden;
    }

    .nav-scroller .nav {
        display: flex;
        flex-wrap: nowrap;
        padding-bottom: 1rem;
        margin-top: -1px;
        overflow-x: auto;
        text-align: center;
        white-space: nowrap;
        -webkit-overflow-scrolling: touch;
    }
</style>

<nav class="navbar navbar-expand-lg navbar-dark fixed-top bg-dark" aria-label="Tenth navbar example" fixe>
    <div class="container-fluid">
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarsExample08" aria-controls="
            <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">메모메뉴</a>
                    <ul class="dropdown-menu">
                        <li><a class="dropdown-item" href="feedAdd.jsp">메모작성</a></li>
                        <li><a class="dropdown-item" href="main.jsp">메모보기</a></li>
                    </ul>
                </li>
                <li class="nav-item dropdown">
                    <a class="nav-link dropdown-toggle" href="#" data-bs-toggle="dropdown" aria-expanded="false">회원메뉴</a>
                    <ul class="dropdown-menu">
                        <%if(sid != null) { %>
                        <li><a class="dropdown-item" href="logout.jsp">로그아웃</a></li>
                        <li><a class="dropdown-item" href="signout.jsp">회원탈퇴</a></li>
                        <% }else { %>
                        <li><a class="dropdown-item" href="login.jsp">로그인</a></li>
                        <li><a class="dropdown-item" href="signup.jsp">회원가입</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">관리자 메뉴</a>
                    <ul class="dropdown-menu">

                        <li><a class="dropdown-item" href="userAll.jsp">회원관리</a></li>
                        <li><a class="dropdown-item" href="feedAll.jsp">게시물관리</a></li>
                    </ul>
                </li>
                <% }%>
            </ul>
        </div>
    </div>
</nav>

```

## ▼ AJAX 방식 사용하기

1. login.jsp —> loginAJAX.jsp
2. feedAll.jsp —> feedAllAJAX.jsp
3. userAll.jsp —> userAllAJAX.jsp

### loginAJAX.jsp

```

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

```

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>로그인</title>
<%@ include file="/header.jsp"%>
    <link href="sign-in.css" rel="stylesheet">

</head>
<body class="text-center">

<main class="form-signin w-100 m-auto">

<!-- <form action="loginCheck.jsp"> --> // 1. form 태그 삭제.
    
    <h1 class="h3 mb-3 fw-normal">로그인</h1>

    <div class="form-floating">
        <input type="text" name="id" class="form-control" id="id" placeholder="ID">
        <label for="floatingInput">ID</label>
    </div>
    <div class="form-floating">
        <input type="password" name="password" class="form-control" id="password" placeholder="Password">
        <label for="floatingPassword">Password</label>
    </div>

    <div class="checkbox mb-3">
    </div>
    <button class="w-100 btn btn-lg btn-primary" onclick="loginProcess()" type="button">로그인</button>
    <p class="mt-5 mb-3 text-muted">&copy; 2017-2022</p>
<!-- </form> -->
</main>
<%@ include file="/footer.jsp"%>
</body>

<script>

function loginProcess() {
    $.ajax({
        type : 'post',
        url : "loginCheckAJAX.jsp",
        data : {
            id:encodeURIComponent(document.getElementById('id').value),
            password:(document.getElementById('password').value)
        },
        dataType : 'text',
        success : function(result) {
            alert("로그인 성공");

        },
        error : function(error) {
            console.log(error); //요청 실패 시 처리
        }
    });
}

</script>

</html>

```

## feedAllAJAX.jsp

```

<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <meta charset="utf-8">
        <title>게시물 관리</title>

```

```

<style>
.bd-placeholder-img {
  font-size: 1.125rem;
  text-align: middle;
  -webkit-user-select: none;
  -moz-user-select: none;
  user-select: none;
}

@media (min-width: 768px) {
  .bd-placeholder-img-lg {
    font-size: 3.5rem;
  }
}

.b-example-divider {
  height: 3rem;
  background-color: rgba(0, 0, 0, .1);
  border: solid rgba(0, 0, 0, .15);
  border-width: 1px 0;
  box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {
  flex-shrink: 0;
  width: 1.5rem;
  height: 100vh;
}

.bi {
  vertical-align: -.125em;
  fill: currentColor;
}

.nav-scroller {
  position: relative;
  z-index: 2;
  height: 2.75rem;
  overflow-y: hidden;
}

.nav-scroller .nav {
  display: flex;
  flex-wrap: nowrap;
  padding-bottom: 1rem;
  margin-top: -1px;
  overflow-x: auto;
  text-align: center;
  white-space: nowrap;
  -webkit-overflow-scrolling: touch;
}
</style>

</head>

<body class="text-center">
<%@ include file="../header.jsp"%>

<script>

function searchFunction() {

$.ajax({
  type: 'post',
  url: 'feedCheckAJAX.jsp',
  success: function(data){
    var feeds = JSON.parse(data.trim());

    var str = "";
    for (var i = 0; i < feeds.length; i++) {
      str += "<tr><td>" + feeds[i].no + "</td>";
      str += "<td>" + feeds[i].id + "</td>";
      str += "<td>" + feeds[i].content + "</td>";
      str += "<td>" + feeds[i].ts + "</td></tr>";
    } $("#ajaxTable").html(str);

  }

});

}

```

```

        window.onload = function() {
            searchFunction();
        }

    </script>

    <br><br>
    <div class="container">
    <main class="form-signin w-100 m-auto">

        <h1 class="h3 mb-3 fw-normal" style="padding-top: 100px;">My MEMO</h1>
        <br>

    </main>

    </div>
    <b>게시물 리스트</b>
    <table class="table table-hover">
    <thead>
    <tr>
    <th scope="col">No.</th>
    <th scope="col">ID</th>
    <th scope="col">Content</th>
    <th scope="col">Register Date</th>
    </tr>
    </thead>
    <tbody class="table-active" id="ajaxTable">

    </tbody>
    </table>

    <%% include file="../footer.jsp"%>
    </body>

    </html>

```

## feedCheckAJAX.jsp

```

<%%@page import="jdbc.feedDAO"%>
<%%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
String str = feedDAO.getListAJAX();
out.print(str);
%>

```

## getListAJAX() Method

```

//AJAX로 모든 리스트 출력 매서드
public static String getListAJAX() throws SQLException, NamingException{

    JSONArray feeds = new JSONArray();

    try {
        sql = " SELECT * FROM feed ORDER BY ts DESC ";

        conn = ConnectionPool.get();

        pstmt = conn.prepareStatement(sql);

        rs = pstmt.executeQuery();

        while(rs.next()) {
            JSONObject obj = new JSONObject();
            obj.put("no", rs.getString(1));
            obj.put("id", rs.getString(2));

```



```

        obj.put("content", rs.getString(3));
        obj.put("ts", rs.getString(4));

        feeds.add(obj);
    }

    return feeds.toJSONString();

} catch (SQLException e) {
    e.printStackTrace();
} finally {
    if(pstmt != null)
        pstmt.close();
    if(conn != null)
        conn.close();
}

return feeds.toJSONString();

}

```

## userAllAJAX.jsp

```

<%@page import="jdbc.*"%>
<%@page import="java.util.*"%>
<%@page import="jdbc.userDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<title>회원관리</title>

<style>
.bd-placeholder-img {
    font-size: 1.125rem;
    text-align: middle;
    -webkit-user-select: none;
    -moz-user-select: none;
    user-select: none;
}

@media (min-width: 768px) {
    .bd-placeholder-img-lg {
        font-size: 3.5rem;
    }
}

.b-example-divider {
    height: 3rem;
    background-color: rgba(0, 0, 0, .1);
    border: solid rgba(0, 0, 0, .15);
    border-width: 1px 0;
    box-shadow: inset 0 .5em 1.5em rgba(0, 0, 0, .1), inset 0 .125em .5em rgba(0, 0, 0, .15);
}

.b-example-vr {
    flex-shrink: 0;
    width: 1.5rem;
    height: 100vh;
}

.bi {
    vertical-align: -.125em;
    fill: currentColor;
}

.nav-scroller {
    position: relative;
    z-index: 2;
    height: 2.75rem;
    overflow-y: hidden;
}

.nav-scroller .nav {
    display: flex;

```

```

        flex-wrap: nowrap;
        padding-bottom: 1rem;
        margin-top: -1px;
        overflow-x: auto;
        text-align: center;
        white-space: nowrap;
        -webkit-overflow-scrolling: touch;
    }
</style>

</head>

<body class="text-center">
<%@ include file="/header.jsp"%>
<script>

function searchFunction() {

    $.ajax({
        type: 'post',
        url: 'userCheckAJAX.jsp',
        success: function(data){
            var users = JSON.parse(data.trim());

            var str = "";
            for (var i = 0; i < users.length; i++) {
                str += "<tr><td>" + users[i].id + "</td>";
                str += "<td>" + users[i].name + "</td>";
                str += "<td>" + users[i].ts + "</td></tr>";
            } $("#ajaxTable").html(str);

        }

    });

}

window.onload = function() {
    searchFunction();
}

</script>

<br><br>
<div class="container">
<main class="form-signin w-100 m-auto">

    <h1 class="h3 mb-3 fw-normal" style="padding-top: 100px;">My MEMO</h1>
    <br>

</main>

</div>
<b>회원 리스트</b>
<table class="table table-hover">
    <thead>
        <tr>
            <th scope="col">ID</th>
            <th scope="col">name</th>
            <th scope="col">Register Date</th>
        </tr>
    </thead>
    <tbody class="table-active" id="ajaxTable">

        </tbody>
    </table>
    <%@ include file="/footer.jsp"%>
</body>

<div class="py-5 text-center">
</div>
</html>

```

**userCheckAJAX.jsp**

```

<%@page import="jdbc.feedDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
String str = feedDAO.getListAJAX();
out.print(str);
%>

```

## getListAJAX() Method

```

//AJAX로 모든 리스트 출력 매서드
public static String getListAJAX() throws SQLException, NamingException{

    JSONArray users = new JSONArray();

    try {
        sql = " SELECT * FROM user ORDER BY ts DESC ";

        conn = ConnectionPool.get();

        pstmt = conn.prepareStatement(sql);

        rs = pstmt.executeQuery();

        while(rs.next()) {
            JSONObject obj = new JSONObject();
            obj.put("id", rs.getString(1));
            obj.put("password", rs.getString(2));
            obj.put("name", rs.getString(3));
            obj.put("ts", rs.getString(4));

            users.add(obj);
        }

        return users.toJSONString();

    } catch (SQLException e) {
        e.printStackTrace();
    } finally {
        if(pstmt != null)
            pstmt.close();
        if(conn != null)
            conn.close();
    }

    return users.toJSONString();

}

```