class 230130

MyMEMO (Semi-Project)

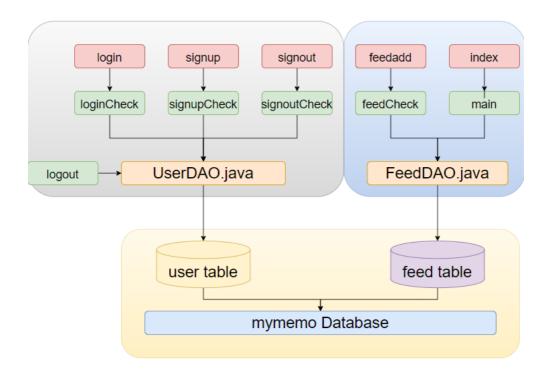### 주요 사용 기술

	Name	Version
OS	WIndows	11
IDE	eGov	3.1.0
JDK	Java (Open JDK)	11.0.16
DB	MySQL	8
etc	Tomcat	8.5
	Bootstrap	5.3.0
	JSP	2.3
	mysql-connector	8.0.26
	heidi	12.3.0

프로젝트 구성

- Project Name : MyMEMO

ConnectionPool 설정

▼ context.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Context>
  <Resource
  name="jdbc/mymemo"
  auth="Container"
  type="javax.sql.DataSource"
  driverClassName="com.mysql.cj.jdbc.Driver"
  url="jdbc:mysql://localhost:3306/mymemo?serverTimezone=UTC"
  username="root"
  password="0000"
  maxTotal="16"
  maxIdle="4"
  maxWaitMillis="-1" />
</Context>
```

▼ ConnectionPool.java

```java
package util;

import java.sql.Connection;
import java.sql.SQLException;

import javax.naming.InitialContext;
import javax.naming.NamingException;
import javax.sql.DataSource;

public class ConnectionPool {
  private static DataSource _ds = null;

  public static Connection get() throws SQLException {
    if (_ds == null) {
```

```
      try {
        _ds = (DataSource) (new InitialContext()).lookup("java:comp/env/jdbc/mymemo");
      } catch (NamingException e) {
        e.printStackTrace();
      }
    }
    return _ds.getConnection();
  }
}
```

- WebContent/WEB-INF/lib : mysql-connector-java-8.0.26.jar

프로젝트 코드

▼ mymemo DB / user 테이블

```sql
CREATE TABLE `user` (
  `id` VARCHAR(128) NOT NULL DEFAULT NULL,
  `password` VARCHAR(32) NULL DEFAULT NULL,
  `name` VARCHAR(32) NULL DEFAULT NULL,
  `ts` TIMESTAMP NULL DEFAULT CURRENT_TIMESTAMP(),
  PRIMARY KEY (`id`)
)
COLLATE='utf8mb4_0900_ai_ci'
;
```

▼ UserDTO.java

```java
package jdbc;

public class UserDTO {
  private String id;
  private String password;
  private String name;
  private String ts;

  public UserDTO(String id, String password, String name) {
    this.id = id;
    this.password = password;
    this.name = name;
  }

  public String getId() {
    return id;
  }
  public void setId(String id) {
    this.id = id;
  }
  public String getPassword() {
    return password;
  }
  public void setPassword(String password) {
    this.password = password;
  }
  public String getName() {
    return name;
  }
  public void setName(String name) {
    this.name = name;
  }
  public String getTs() {
    return ts;
  }
  public void setTs(String ts) {
    this.ts = ts;
  }
}
```

▼ UserDAO.java

```java
package jdbc;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
```

```java
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

import util.ConnectionPool;

public class UserDAO {
  // 회원 가입
  public static boolean insert(String id, String password, String name) {
    boolean result = false;
    String sql = "INSERT INTO user (id, password, name) VALUES (?, ?, ?)";
    Connection conn = null;
    PreparedStatement pstmt = null;
    try {
      conn = ConnectionPool.get();
      pstmt = conn.prepareStatement(sql);
      pstmt.setString(1, id);
      pstmt.setString(2, password);
      pstmt.setString(3, name);

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

  // 회원 목록 가져오기
  public List<UserDTO> selectList() {
    ArrayList<UserDTO> list = new ArrayList<>();
    String sql = "SELECT * FROM user ORDER BY ts DESC";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
      conn = ConnectionPool.get();
      pstmt = conn.prepareStatement(sql);
      rSet = pstmt.executeQuery();

      while (rSet.next()) {
        UserDTO udto = new UserDTO(
          rSet.getString("id"),
          rSet.getString("password"),
          rSet.getString("name")
        );
        list.add(udto);
      }

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

    return list;
  }

  // 회원 확인
  public static boolean exist(String id) {
    boolean result = false;
    String sql = "SELECT * FROM user 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();

      result = rSet.next() ? true : false;
    } catch (SQLException e) {
      e.printStackTrace();
    } finally {
```

```java
      try {
        rSet.close();
        pstmt.close();
        conn.close();
      } catch (SQLException e) {
        e.printStackTrace();
      }
    }
    return result;
  }

  // 회원 탈퇴
  public static boolean delete(String id) {
    boolean result = false;
    String sql = "DELETE FROM user WHERE id=?";
    Connection conn = null;
    PreparedStatement pstmt = null;
    try {
      conn = ConnectionPool.get();
      pstmt = conn.prepareStatement(sql);
      pstmt.setString(1, id);

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

  // 회원 로그인
  public static int login(String id, String password) {
    int result = 0;
    String sql = "SELECT id, password FROM user WHERE id=?";
    Connection conn = null;
    PreparedStatement pstmt = null;
    ResultSet rSet = null;
    try {
      conn = ConnectionPool.get();
      pstmt = conn.prepareStatement(sql);
      pstmt.setString(1, id);

      if (rSet.next()) {  // id가 일치하고
        result = rSet.getString("password").equals(password)
          ? 1   // password가 일치 할 경우
          : 2;  // password가 일치 하지 않을 경우
      }

    } catch (SQLException e) {
      e.printStackTrace();
    } finally {
      try {
        rSet.close();
        pstmt.close();
        conn.close();
      } catch (SQLException e) {
        e.printStackTrace();
      }
    }
    return result;
  }
}
```

▼ main.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  String msg = request.getParameter("msg");
  String sid = (String) session.getAttribute("sid");
%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>메인</title>
</head>
<body>
```

```jsp
<%@ include file="/include/header.jsp" %>
  <h3>메인</h3>
  <!-- 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 = '<%= session.getAttribute("sid") %>';

  console.log(msg);
  if(msg != 'null') {
    switch (msg) {
    case 'success':
      popModal('환영합니다', '회원 가입에 성공했습니다.')
      break;
    case 'login':
      popModal('로그인 성공', sid + '님 어서오세요');
      break;
    }
  } else {
    if(sid == 'null') {
      $('#modal-footer').empty().append('<button type="button" class="btn btn-primary" data-bs-dismiss="modal" onclick="location.h
      popModal('접근 불가', '로그인한 회원만 이용가능합니다.');
    }
  }

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

▼ user 디렉토리

▼ login.jsp

```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>로그인</title>
<link href="../resources/css/signin.css" rel="stylesheet">
</head>
<body>
<%@ include file="/include/header.jsp" %>
  <div class="container">
    <div class="form-signin w-100 m-auto text-center">
      <form action="loginCheck.jsp" method="post">
        <img class="mb-4" src="https://cdn-icons-png.flaticon.com/512/5087/5087579.png" alt="" width="72" height="72">
        <h1 class="h3 mb-3 fw-normal">Please sign in</h1>

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

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

      <button class="w-100 btn btn-lg btn-primary" type="submit">Sign in</button>
      <p class="mt-5 mb-3 text-muted">&copy; MyMemo</p>
    </form>
  </div>
</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>
        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
      </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 %>'
    console.log(msg);
    if(msg != 'null') {
      if(msg == 'fail1') {
        $('#modal-footer').append('<button type="button" class="btn btn-secondary" onclick="location.href = \'/MyMemo/user/sig
        popModal('존재하지 않는 회원입니다', '회원가입을 하시겠습니까?');
      }
      else if(msg == 'fail2') {
        popModal('로그인 실패', '비밀번호를 확인해 주세요');
      }
    }
    function popModal(head, body) {
      $('#modalHeader').text(head);
      $('#modalBody').html(body);
      $('#exampleModal').modal('show');
    }
  });
</script>
</body>
</html>
```

▼ loginCheck.jsp

```
<%@page import="javax.websocket.SendResult"%>
<%@page import="jdbc.UserDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  String id = request.getParameter("id");
  String password = request.getParameter("password");

  switch(UserDAO.login(id, password)) {
  case 0: // 아이디 비번 모두 없을 경우
      response.sendRedirect("/MyMemo/user/login.jsp?msg=fail1");
      break;
  case 1: // 아이디 비번 모두 있을 경우
      session.setAttribute("sid", id);
      response.sendRedirect("/MyMemo/main.jsp?=login");
      break;
  case 2: // 아이디만 존재할 경우
      response.sendRedirect("/MyMemo/user/login.jsp?msg=fail2");
      break;
  }
%>
```

▼ logout.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  session.invalidate();
  response.sendRedirect("/MyMemo/main.jsp");
%>
```

▼ signout.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>회원탈퇴</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
  <h3>회원탈퇴</h3>
  <form action="signoutCheck.jsp" method="post">
    <label>아이디  </label>
    <input type="text" name="id"> <br>
    <label>패스워드</label>
    <input type="password" name="password"> <br>
    <button>회원 탈퇴</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>
          <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
        </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 %>'
  console.log(msg);
  if(msg != 'null') {
    if(msg == 'success') {
      popModal('회원 탈퇴', '회원 탈퇴되었습니다. 이용해 주셔서 감사합니다.');
    }
    else if(msg == 'fail') {
      popModal('회원 탈퇴 실패', '회원 탈퇴에 실패하였습니다.');
    }
  }
  function popModal(head, body) {
    $('#modalHeader').text(head);
    $('#modalBody').html(body);
    $('#exampleModal').modal('show');
  }
});
</script>
</body>
</html>
```

▼ signoutCheck.jsp

```
<%@page import="jdbc.UserDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  String id = request.getParameter("id");
```

```
    String password = request.getParameter("password");

    if (UserDAO.login(id, password) == 1) {
      UserDAO.delete(id);
      response.sendRedirect("/MyMemo/user/signout.jsp?msg=success");
    } else {
      response.sendRedirect("/MyMemo/user/signout.jsp?msg=fail");
    }
%>
```

▼ signup.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>회원가입</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
  <div class="container">
    <div class="form-signin w-100 m-auto text-center">
      <form action="signupCheck.jsp" method="post">
        <img class="mb-4" src="https://cdn-icons-png.flaticon.com/512/5087/5087579.png" alt="" width="72" height="72">
        <h1 class="h3 mb-3 fw-normal">Please Sign Up</h1>

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

        <button class="w-100 btn btn-lg btn-primary" type="submit">Sign Up</button>
        <p class="mt-5 mb-3 text-muted">&copy; MyMemo</p>
      </form>
    </div>
  </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>
          <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
        </div>
        <div class="modal-body" id="modalBody">

        </div>
        <div class="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 %>'
  console.log(msg);
  if(msg != 'null') {
    if(msg == 'fail1') {
      popModal('가입 실패', '회원 가입에 실패하였습니다.')
    } else if (msg == 'fail2'){
      popModal('회원 확인', '이미 가입한 회원입니다.')
```

```
      }
    }

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

▼ signupCheck.jsp

```
<%@page import="jdbc.UserDAO"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%
  String id = request.getParameter("id");
  String password = request.getParameter("password");
  String name = request.getParameter("name");

  if (!UserDAO.exist(id)) {
    if (UserDAO.insert(id, password, name)) {
      System.out.println("회원 가입 성공");
      response.sendRedirect("/MyMemo/main.jsp?msg=success");
    } else {
      System.out.println("회원 가입 실패");
      response.sendRedirect("/MyMemo/user/signup.jsp?msg=fail1");
    }
  } else {
    System.out.println("이미 가입한 회원");
    response.sendRedirect("/MyMemo/user/signup.jsp?msg=fail2");
  }

%>
```

▼ **include 디렉토리**

▼ header.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!-- bootstrap CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-rbsA2V

<!-- 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="
      <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="#">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="/MyMemo/user/login.jsp">메모 등록</a></li>
            <li><a class="dropdown-item" href="/MyMemo/user/logout.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">
            <li><a class="dropdown-item" href="/MyMemo/user/login.jsp">로그인</a></li>
            <li><a class="dropdown-item" href="/MyMemo/user/logout.jsp">로그아웃</a></li>
            <li><a class="dropdown-item" href="/MyMemo/user/signup.jsp">회원가입</a></li>
            <li><a class="dropdown-item" href="/MyMemo/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="#">회원관리</a></li>
            <li><a class="dropdown-item" href="#">게시물관리</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="/MyMemo/main.jsp">MyMEMO</a>
      <!-- <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarCollapse" aria-controls
        <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 dropup">
            <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>
```

▼ foorter.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-kenU1KFdBIe4zVF0
<!-- jQuery CDN -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js" integrity="sha256-pvPw+upLPUjgMXY0G+8O0xUf+/Im1MZjXxxgOcBQBXU=" cro
```

Ajax 사용 회원 가입 처리 하기

▼ signup.jsp (JQuery)

```
$('#signupBtn').on('click', function(){
  $.ajax({
    type:"post",
    url: "/MyMemo/userAjax/signupCheck.jsp",
    data : {id:encodeURIComponent($('#id').val()),
            password:encodeURIComponent($('#password').val()),
            name:encodeURIComponent($('#name').val())
    },
    dataType:"text",

    success:function(data) {
      popModal(data, data);
      var id = document.getElementById('id');
      var password = document.getElementById('password');
      var name = document.getElementById('name');
      id.value="";
      password.value="";
      name.value="";
    }
  });
})
```

▼ signup.jsp (Fetch)

```
$('#signupBtn').on('click', function(){
  fetch('/MyMemo/userAjax/signupCheck.jsp', {
    method: "post",
    body: new URLSearchParams({
        id: $('#id').val(),
        password: $('#password').val(),
        passwordCheck: $('#passwordCheck').val(),
        name: $('#name').val()
    }),
    })
  .then(resp => resp.text())
  .then(data => {
    console.log(data);
    popModal(data, data);
    $('#id').val('');
    $('#password').val('');
    $('#passwordCheck').val('');
    $('#name').val('');
    name: $('#name').val();
  })
  .catch(err => console.log('Error : ', err));
});
```

Ajax 사용 아이디 중복 확인하기

▼ signup.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>회원가입</title>
</head>
<body>
<%@ include file="/include/header.jsp" %>
  <div class="container">
    <div class="form-signin w-100 m-auto text-center">
      <form action="needs-validation" method="post">
        <img class="mb-4" src="https://cdn-icons-png.flaticon.com/512/5087/5087579.png" alt="" width="72" height="72">
        <h1 class="h3 mb-3 fw-normal">Please Sign Up</h1>

        <div class="form-floating">
          <input type="text" class="form-control" id="id" name="id" placeholder="ID">
          <label for="id">ID</label>
          <div class="invalid-feedback">이미 존재하는 아이디입니다.</div>
        </div>
        <div class="form-floating">
          <input type="password" class="form-control" id="password" name="password" placeholder="Password">
          <label for="password">Password</label>
        </div>
        <div class="form-floating">
          <input type="password" class="form-control" id="passwordCheck" name="passwordCheck" placeholder="Password (Check)">
          <label for="passwordCheck">Password (Check)</label>
        </div>
        <div class="form-floating">
          <input type="text" class="form-control" id="name" name="name" placeholder="Name">
          <label for="name">Name</label>
        </div>

        <button class="w-100 btn btn-lg btn-primary" type="button" id="signupBtn">Sign Up</button>
        <p class="mt-5 mb-3 text-muted">&copy; MyMemo</p>
      </form>
    </div>
  </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>
```

```html
              <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
          </div>
          <div class="modal-body" id="modalBody">

          </div>
          <div class="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 %>'
  console.log(msg);
  if(msg != 'null') {
    if(msg == 'fail1') {
      popModal('가입 실패', '회원 가입에 실패하였습니다.')
    } else if (msg == 'fail2'){
      popModal('회원 확인', '이미 가입한 회원입니다.')
    }
  }

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

  $('#signupBtn').on('click', function(){
    fetch('/MyMemo/userAjax/signupCheck.jsp', {
      method: "post",
      body: new URLSearchParams({
          id: $('#id').val(),
          password: $('#password').val(),
          passwordCheck: $('#passwordCheck').val(),
          name: $('#name').val()
        }),
        })
      .then(resp => resp.text())
      .then(data => {
        console.log(data);
        popModal(data, data);
        $('#id').val('');
        $('#password').val('');
        $('#passwordCheck').val('');
        $('#name').val('');
        name: $('#name').val();
      })
      .catch(err => console.log('Error : ', err));
  });

  $('#id').on('keyup', function(){
    fetch('/MyMemo/userAjax/existCheck.jsp', {
      method: "post",
      body: new URLSearchParams({
          id: $('#id').val()
        }),
        })
      .then(resp => resp.text())
      .then(data => {
        console.log(data);
        if (data == 1) {
          $('#id').addClass('is-invalid');
        } else {
          $('#id').removeClass('is-invalid');
        }
      })
      .catch(err => console.log('Error : ', err));
  });
});
</script>
</body>
</html>
```

비밀번호 체크하기

▼ signup.jsp 일부

```
$('#passwordCheck').on('keyup', function(){
  if ($('#password').val() != '') {
    if ($('#password').val() == $(this).val()) {
      $('#password').addClass('is-valid');
      $(this).addClass('is-valid');
    } else {
      $('#password').removeClass('is-valid');
      $(this).removeClass('is-valid');
    }
  }
});
```