8_18_2022__Web_DB

프로젝트 최상위 루트 요청을 보고 싶으면 web.xml 들어가보면 된다.

${ }

- jsp에서는 ${ } 특별히 해석을 해준다.
- ${pageContext.request.contextPath}/경로.확장자
  - 컨텍스트 절대 경로를 확인 할 때 사용한다.
  - <%=request.getContextPath()%> 자바에서 context 경로를 알아내는 방법

navbar 페이지에 따라 다른 디자인을 하고 싶다면

▼ 기본

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%--
  /include.navbar.jsp
--%>
<%
  //이 navbar.jsp 페이지가 어디에 include 되었는지 읽어오기
  String thisPage=request.getParameter("thisPage"); //"index" | "member" | "todo"
%>
  <!-- bootstrap 네비바 -->
<nav class="navbar bg-light navbar-expand-sm">
  <div class="container">
    <a class="navbar-brand" href="${pageContext.request.contextPath }/">
      <img src="https://getbootstrap.com/docs/5.2/assets/brand/bootstrap-logo.svg" alt="" width="30" height="24" class="d-inline-b
      Acorn
    </a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" a
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link" href="${pageContext.request.contextPath}/member/list.jsp">회원목록</a>
        </li>
        <li class="nav-item">
          <a class="nav-link"  href="${pageContext.request.contextPath}/todo/list.jsp">할일목록</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

- 삼항 연산자 사용

```
<%=thisPage.equals("member") ? "active" : "" %>
```

- if문 사용

```
<%if(thisPage.equals("member")){%>active<%}%>
```

▼ 변화

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%--
  /include.navbar.jsp
--%>
<%
  //이 navbar.jsp 페이지가 어디에 include 되었는지 읽어오기
  String thisPage=request.getParameter("thisPage"); //"index" | "member" | "todo"
%>
  <!-- bootstrap 네비바 -->
<nav class="navbar bg-light navbar-expand-sm">
  <div class="container">
    <a class="navbar-brand" href="${pageContext.request.contextPath }/">
      <img src="https://getbootstrap.com/docs/5.2/assets/brand/bootstrap-logo.svg" alt="" width="30" height="24" class="d-inline-b
      Acorn
    </a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" a
    <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link <%if(thisPage.equals("member")){%>active<%}%>" href="${pageContext.request.contextPath}/member/lis
        </li>
        <li class="nav-item">
          <a class="nav-link <%=thisPage.equals("todo") ? "active" : "" %>"   href="${pageContext.request.contextPath}/todo/lis
        </li>
      </ul>
    </div>
  </div>
</nav>
```

bootstrap

```
<nav class="navbar bg-light navbar-expand-sm">
```

```
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expa
```

```
<nav class="navbar navbar-dark bg-dark navbar-expand-sm">
```

링크들을 아이콘으로 대체하기

Download

Download the SVG to use or edit.

Download SVG

Icon font

Using the web font? Copy, paste, and go.

```
<i class="bi bi-person-plus'
```

Code point

Unicode: U+F4DD
CSS: \F4DD
JS: \uF4DD
HTML: 

Copy HTML

Paste the SVG right into your project's code.

```
<svg xmlns="http://www.w3.or
  <path d="M6 8a3 3 0 1 0 0-6 3
  <path fill-rule="evenodd" d="|
</svg>
```

Examples

👤+ Heading

👤+ Smaller heading

Inline text 👤+

Example link text 👤+

👤+ Button   👤+ Button   👤+ Button

👤+   👤+   👤+   👤+

👤+ Input group example

copy html 아래 복사해서

```
<a href="insertform.jsp"><span class="visually-hidden">회원추가</span>
  <svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi bi-person-plus" viewBox="0 0 16 16">
    <path d="M6 8a3 3 0 1 0 0-6 3 3 0 0 0 0 6zm2-3a2 2 0 1 1-4 0 2 2 0 0 1 4 0zm4 8c0 1-1 1-1 1H1s-1 0-1-1 1-4 6-4 6 3 6 4zm-1-.004c
    <path fill-rule="evenodd" d="M13.5 5a.5.5 0 0 1 .5.5V7h1.5a.5.5 0 0 1 0 1H14v1.5a.5.5 0 0 1-1 0V8h-1.5a.5.5 0 0 1 0-1H13V5.5a.5.
  </svg>
</a>
```

```
<span class="visually-hidden">회원추가</span>
```

breadcrumb 를 통해 어디까지 들어왔는지 알 수 있다.

연습

form에 입력한 정보가 signup으로 이동하도록 만들기

▼ form.jsp

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

%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
```

```html
<title>/test/form.jsp</title>
<link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css"
  rel="stylesheet"
  integrity="sha384-0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
  crossorigin="anonymous">
<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
  crossorigin="anonymous"></script>
</head>
<body>
  <div class="container">
    <h1 align="center">테스트 폼 입니다.</h1>
    <form action="signup.jsp" method="post">
      <div class="form-floating mb-3">
        <input type="email" class="form-control" name="email"
          id="floatingInput" placeholder="name@example.com">
        <label for="floatingInput">이메일</label>
      </div>
      <div mb-3">
        <label for="job">직업</label> <select name="job" id="job"
          class="form-select form-select-lg mb-3"
          aria-label=".form-select-lg example">
          <option value="">선택</option>
          <option value="programmer">프로그래머</option>
          <option value="chicken">치킨집사장</option>
          <option value="pizza">피자집사장</option>
          <option value="guitar">기타집사장</option>
        </select>
      </div>
      <div class="form-check form-switch mb-3" >
        <fieldset>
          <legend>관심사 체크</legend>
          <label class="form-check-label" for="flexSwitchCheckDefault">
            <input name="interest" value="reading" class="form-check-input"
            type="checkbox" role="switch" id="flexSwitchCheckDefault">독서
          </label><br /> <label class="form-check-label"
            for="flexSwitchCheckDefault"> <input name="interest"
            value="game" class="form-check-input" type="checkbox"
            role="switch" id="flexSwitchCheckDefault">게임
          </label><br /> <label class="form-check-label"
            for="flexSwitchCheckDefault"> <input name="interest"
            value="cooking" class="form-check-input" type="checkbox"
            role="switch" id="flexSwitchCheckDefault">요리
          </label>
        </fieldset>
      </div>
      <br />
      <div class="mb-3">
        <fieldset>
          성별 체크

          <input type="radio" class="btn-check" name="gender" value="man" id="option1" autocomplete="off" >
          <label class="btn btn-secondary" for="option1">남자</label>
          <input type="radio" class="btn-check" name="gender" value="woman" id="option2" autocomplete="off" >
          <label class="btn btn-secondary" for="option2">여자</label>

        </fieldset>
      </div>
      <div class="mb-3">
        <label for="comment">할말</label><br />
        <textarea name="comment" id="comment"></textarea>
      </div>
      <button type="submit">전송</button>
    </form>
  </div>
</body>
</html>
```

▼ signup.jsp

```jsp
<%@page import="java.util.List"%>
<%@page import="java.util.Arrays"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
  pageEncoding="UTF-8"%>
<%
//한글 깨지지 않도록 설정
request.setCharacterEncoding("utf-8");
/*폼 전송되는 모든 내용을 추출해서 아래에 정보를 출력한다.*/

//파라미터 읽어오기
//입력한 email
String email = request.getParameter("email");
```

```jsp
//선택한 comment
String comment = request.getParameter("comment");
//선택한 job
String job = request.getParameter("job");
//체크한 interest 여러개를 선택할 수 도 있기 때문에 배열
String[] interest = request.getParameterValues("interest");
//체크한 gender
String gender = request.getParameter("gender");
//String[]을 List<String>으로 변환하기
//변환하면 .contain() 메소드를 활용할 수 있다.
List list = Arrays.asList(interest);
%>

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>/test/signup.jsp</title>
<link
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css"
  rel="stylesheet"
  integrity="sha384-0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBL6DOitfPri4tjfHxaWutUpFmBp4vmVor"
  crossorigin="anonymous">
<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
  crossorigin="anonymous"></script>
</head>
<body>
<div class="container">
  <h1 align="center">전송된 정보는 아래와 같습니다.</h1>
  <div class="form-floating mb-3">
    <input type="email" name="email" id="floatingInput" value="<%=email %>" disabled class="form-control">
    <label for="floatingInput">이메일</label>
  </div>


  <div>
    <label for="job">직업</label> <select name="job" id="job" class="form-select form-select-lg mb-3"
      aria-label=".form-select-lg example">
      <option value="" disabled>선택</option>
      <option value="programmer"
        <%=job.equals("programmer") ? "selected" : ""%> disabled>프로그래머</option>
      <option value="chicken" <%=job.equals("chicken") ? "selected" : ""%>
        disabled>치킨집사장</option>
      <option value="pizza" <%=job.equals("pizza") ? "selected" : ""%>
        disabled>피자집사장</option>
      <option value="guitar" <%=job.equals("guitar") ? "selected" : ""%>
        disabled>기타집사장</option>
    </select>
  </div>


  <div class="form-check form-switch mb-3">
    <fieldset>
      <legend>관심사 체크</legend>
      <label class="form-check-label" for="flexSwitchCheckDefault">
        <input name="interest" value="reading" class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckDefault"
      </label><br />
      <label class="form-check-label" for="flexSwitchCheckDefault">
        <input name="interest" value="game" class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckDefault" <%=
      </label><br />
      <label class="form-check-label" for="flexSwitchCheckDefault">
        <input name="interest" value="cooking" class="form-check-input" type="checkbox" role="switch" id="flexSwitchCheckDefault"
      </label>
    </fieldset>
  </div>
  <div class="mb-3">
    <fieldset>
      성별 체크
      <label for=""> <input type="radio" name="gender"
        value="man" <%=gender.equals("man") ? "checked" : ""%> disabled />남자
      </label> <label for=""> <input type="radio" name="gender"
        value="woman" <%=gender.equals("woman") ? "checked" : ""%> disabled />여자
      </label>

    </fieldset>
  </div>
  <div class="mb-3">
    <label for="comment">할말</label><br />
    <textarea name="comment" id="comment" disabled><%=comment%></textarea>
  </div>
</div>
</body>
</html>
```