페이징 처리.

페이징이란 1부터 10까지 10개의 페이지를 나누고 싶을 때 쓰는 방식이다.

계산식(domain에 넣어준다.)

public class Paging {

private boolean prev; //이전

private boolean next; //다음

private int startPage; //시작 페이지

private int endPage; //끝 페이지

private int totalPage; //전체 페이지

private int page; //페이지 번호

private int pageSize = 10; //페이지 크기

//검색기능을 사용할 때만.

private String keyword; //키워드

private String sType; //검색 타입.

public Paging() {

}

//페이지와 전체 페이지를 가져온다.

public Paging(int page,int totalPage) {

this.totalPage = totalPage;

this.page = page;

calcPage();

}

//페이징 처리.

private void calcPage() {

//올림.(0.1~0.9 = 1\*10 ,1.1~1.9 = 2\*10)

int tempEnd = (int)(Math.ceil(page/10.0) \* 10);

//시작페이지

startPage = tempEnd -9;

//이전 클릭시 (페이지가 1일때는 prev가 보이면 안된다.)

prev = startPage == 1 ? false : true;

//끝나는 페이지 설정. 완전히 마지막 페이지.

if(tempEnd \* pageSize >= totalPage){

endPage = (int)(Math.ceil(totalPage/pageSize)+1);

//완전히 마지막에서는 next가 보이면 안된다.

next = false;

}else{

endPage = tempEnd;

next = true;

}

// if (page <= 0) {

// page = 1;

// }

// page = ( page - 1 ) \* pageSize;

}

public int getPageSize() {

return pageSize;

}

public void setPageSize(int pageSize) {

this.pageSize = pageSize;

}

public String getKeyword() {

return keyword;

}

public void setKeyword(String keyword) {

this.keyword = keyword;

}

public String getsType() {

return sType;

}

public void setsType(String sType) {

this.sType = sType;

}

public boolean isPrev() {

return prev;

}

public void setPrev(boolean prev) {

this.prev = prev;

}

public boolean isNext() {

return next;

}

public void setNext(boolean next) {

this.next = next;

}

public int getStartPage() {

return startPage;

}

public void setStartPage(int startPage) {

this.startPage = startPage;

}

public int getEndPage() {

return endPage;

}

public void setEndPage(int endPage) {

this.endPage = endPage;

}

public int getTotalPage() {

return totalPage;

}

public void setTotalPage(int totalPage) {

this.totalPage = totalPage;

}

public int getPage() {

return page;

}

public void setPage(int page) {

this.page = page;

}

@Override

public String toString() {

return "Paging [prev=" + prev + ", next=" + next + ", startPage=" + startPage + ", endPage=" + endPage

+ ", totalPage=" + totalPage + ", page=" + page + ", pageSize=" + pageSize + ", keyword=" + keyword + ", sType=" + sType + "]";

}

}

-mapper(리스트와 totalpage를 알아낸다.)

마지막 부분은 1~10의 의미이다.

<select id="list" parameterType="Paging" resultType="BoardVO">

select

\*

from tbl\_board-

<if test="sType != null">

<if test="sType eq 'title'.toString()">

and title like '%'||#{keyword}||'%'

</if>

<if test="sType eq 'content'.toString()">

and content like '%'||#{keyword}||'%'

</if>

</if>

order by bno desc

LIMIT #{pageSize} OFFSET (#{page} - 1) \* #{pageSize}

</select>

<select id="listCount" resultType="java.lang.Integer">

select count(1) from tbl\_board

<if test="sType != null">

<if test="sType eq 'title'.toString()">

and title like '%'||#{keyword}||'%'

</if>

<if test="sType eq 'content'.toString()">

and content like '%'||#{keyword}||'%'

</if>

</if>

</select>

-dao,service

public List<BoardVO>list(Paging paging)throws Exception;

public int listCount()throws Exception;

-controller

@RequestMapping(value = "/listPage", method = RequestMethod.GET)

public void listPage(Model model,int page,Paging paging) throws Exception {

model.addAttribute("list",service.list(paging));

model.addAttribute("Paging", new Paging(page, service.listCount()));

}

-jsp

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

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt"%>

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

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Insert title here</title>

</head>

<body>

<!--검색 STA -->

<div align="center">

<form action="listPage" method="get" id="form">

<input id="pageHidden" type="hidden" name="page" value="${param.page}">

<select id="sType" name="sType">

<option value="null" ${param.sType == "null" ? "selected" : ""}>--</option>

<option value="title" ${param.sType == "title" ? "selected" : ""}>제목</option>

<option value="content" ${param.sType == "content" ? "selected" : ""}>내용</option>

</select>

<input type="text" name="keyword" id="keyword" value="${param.keyword}">

<button id="sBtn">검색 </button>

</form>

</div>

<!--검색 End -->

<table border="1">

<tr>

<th>번호</th>

<th>제목</th>

<th>내용</th>

</tr>

<c:forEach items="${list}" var="list">

<tr>

<th><a href="/board/read?page=${param.page}&bno=${list.bno}">

${list.bno}</a></th>

<th>${list.title}</th>

<th>${list.content}</th>

</tr>

</c:forEach>

</table>

<p class="paging">

<c:if test="${Paging.prev}">

<a class="page\_btn btn\_prev" href="listPage?page=${(Paging.startPage - 1)}">이전</a>

</c:if>

<c:forEach begin="${Paging.startPage}" end="${Paging.endPage}" var="idx">

<c:out value="${Paging.page == idx ? '':''}"/>

<a class="pagingNum" href="listPage?page=${idx}">${idx}</a>

</c:forEach>

<c:if test="${Paging.next && Paging.endPage > 0}">

<a class="page\_btn btn\_next" href="listPage?page=${Paging.endPage +1}">다음</a>

</c:if>

</p>

</body>

<script src="http://code.jquery.com/jquery-1.11.2.min.js"></script>

<script type="text/javascript">

$(document).ready(function(){

var form = $("#form");

$("#sBtn").on("click",function(event){

event.preventDefault();

$("#pageHidden").val(1);

$("#form").submit();

});

});

</script>

</html>