**이미지 삭제와 업데이트 처리.**

**-삭제 처리.(기존의 삭제 버튼 을 클릭시 해당 관련 파일을 전부 삭제 해야되기 때문에 쿼리와 service 쪽만 건들면 된다.)**

**-mapper**

**<!--전체 -->**

**<delete id="imgDelete">**

**delete from tbl\_img where bno = #{bno}**

**</delete>**

**<select id="imgList" resultType="ImgVO">**

**select ino, bno, path, filename from tbl\_img where bno = #{bno}**

**</select>**

**-dao,service**

**public void imgDelete(int bno)throws Exception;**

**-serviceImpl**

**@Transactional**

**@Override**

**public void delete(int bno) throws Exception {**

**List<ImgVO> list = idao.imgList(bno);**

**System.out.println("imgList :: " + idao.imgList(bno));**

**String location = "";**

**String fileName = "";**

**UploadFileUtils util = new UploadFileUtils();**

**//for문 스타트**

**for (int i = 0; i < list.size(); i++) {**

**location = list.get(i).getPath();**

**fileName = list.get(i).getFilename();**

**util.deleteFile(location, fileName);**

**}**

**idao.imgDelete(bno);**

**dao.delete(bno);**

**}**

**-jsp**

**일반 jsp삭제 버튼을 그대로 이용.**

**---------------------------------------------------------------------------**

**-수정 처리(수정 처리는 주로 해당 내용을 delete후 update하는 방식이다.)**

**-mapper**

**<!--한개 -->**

**<delete id="imgDeleteOne">**

**delete from tbl\_img where bno = #{bno} and filename = #{filename}**

**</delete>**

**<!--한개 -->**

**<insert parameterType="ImgVO" id="imgInsertOne">**

**insert into tbl\_img(ino,bno,path,filename) values(nextval('seq\_img'),#{bno} ,#{path} ,#{filename})**

**</insert>**

**-service**

**public void imgInsertOne(ImgVO vo)throws Exception;**

**public void imgDeleteOne(ImgVO vo)throws Exception;**

**model.addAttribute("listSize", list.size());**

**-controller(delete)**

**@RequestMapping(value = "/imgDelete")**

**public String imgDelete(@RequestParam("bno")int bno, @RequestParam("filename")String filename) throws Exception {**

**ImgVO vo = new ImgVO();**

**UploadFileUtils upload = new UploadFileUtils();**

**vo.setBno(bno);**

**vo.setFilename(filename);**

**String location = imgService.imgShow(vo).getPath();**

**upload.deleteFile(location, filename);**

**imgService.imgDeleteOne(vo);**

**return "redirect:/board/read?bno=" + bno;**

**}**

**-read.Jsp**

**(해당 메소드만 호출하면 개당 삭제가 가능하다.)**

**<a href="/upload/imgDelete?bno=${vo.bno}&fileName=${list.fileName}" style="z-index:1;">X</a>**

**-controller(insert)**

**@RequestMapping(value = "/insertImage")**

**public String insertImage(int bno, @RequestParam("file")List<MultipartFile> file) throws Exception {**

**System.out.println("뭐여?");**

**ImgVO ivo = new ImgVO();**

**ivo.setBno(bno);**

**System.out.println(ivo);**

**for (int i = 0; i < file.size(); i++) {**

**String originalName = file.get(i).getOriginalFilename();**

**byte[] fileData = file.get(i).getBytes();**

**// 유틸시작**

**String uploadedFileName = UploadFileUtils.saveFile("C:\\Temp", originalName, fileData);**

**String path = "C:\\Temp" + uploadedFileName.substring(0, 12);**

**String saveFileName =**

**uploadedFileName.substring(uploadedFileName.lastIndexOf("/") + 1);**

**String formatName = originalName.substring(originalName.lastIndexOf(".") + 1);**

**//확장자 null 체크**

**System.out.println(formatName);**

**if (formatName == null || formatName.equals("")) {**

**}else{**

**ivo.setFilename(saveFileName);**

**ivo.setPath(path);**

**imgService.imgInsertOne(ivo);**

**}**

**}**

**return "redirect:/board/read?page=1&bno=" + bno;**

**}**

**-read.Jsp(insert와 동일)**

**<form id="form" method="get"enctype="multipart/form-data">**

**<input type="hidden" name="bno" id="bno" value="${vo.bno}">**

**<input type="hidden" id="listSize" value="${listSize}">**

**<ul>**

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

**<li><img class="img" style="width: 300px; height: 300px;" alt="${list.filename}" src="/upload/file?bno=${vo.bno}&filename=${list.filename}">**

**<button type="button" class="deleteImg" value="${vo.bno}" data-value="${list.filename}">X</button>**

**</li>**

**</c:forEach>**

**</ul>**

**<div id="divForm">**

**<input type="file" id="file" class="file" name="file">**

**</div>**

**<button type="button" id="addBtn">추가</button>**

**<button type="button" id="removeBtn">제거</button>**

**<button type="submit" id="insertBtn">등록</button>**

**</form>**

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

**<script type="text/javascript">**

**$(document).ready(function() {**

**$(".img").on("click", function() {**

**var src = $(this).attr("src");**

**window.location.href = src;**

**});**

**var form = $("#form");**

**var numCheck = 0;**

**$(".deleteImg").on("click",function(){**

**var bno =$(this).attr("value");**

**var filename = $(this).attr("data-value");**

**var count = $("#listSize").val();**

**if(count == 1 ){**

**alert("사진이 1개이상 있어야 합니다.");**

**}else{**

**form.attr("action","/upload/imgDelete?bno="+bno+"&filename="+filename).attr("method","post").submit();**

**}**

**});**

**$("#insertBtn").on("click", function() {**

**//이미지의 값 중 빈값이 있으면 등록 되지 않도록 구현한다.**

**var fileVal = $('[name="file"]').val();**

**if (fileVal == "" || fileVal == null) {**

**alert("이미지를 1개 이상 등록해 주세요.");**

**} else {**

**form.attr("action", "/upload/insertImage");**

**form.attr("method", "POST");**

**form.submit();**

**}**

**});**

**$("#addBtn").on("click",function() {**

**numCheck = numCheck + 1;**

**var txt = '<input type="file" id="file" class="file'+numCheck+'" name="file"> '**

**$("#divForm").append(txt);**

**});**

**$("#removeBtn").on("click", function() {**

**/\*전체 제거 \*/**

**/\* $("#divForm \*").remove(); \*/**

**$(".file" + numCheck).remove();**

**numCheck = numCheck - 1;**

**});**

**});**

**</script>**