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| 과목명 | MongoDB | 시행일자 | 2022.04.22 (수행시간 2시간) |
| 점수 |  | 제출자 | 강현규 |
| 아래 요구 사항에 맞는 제품을 제작하여 제출하시오   |  | | --- | | [요구사항]  게시판 글 목록을 jsp작성하시오  데이터 베이스는 mongoDB를 사용한다  목록 출력은 글번호와 제목만을 테이블 출력한다  검색기능을 제공하되 '제목으로 검색'과 '내용으로 검색'을 선택한다  페이징 시스템을 제공한다 검색기능에서 또한 기능이 유효하다  더미 데이터 100건을 이용하여 충분히 테스트 진행한다  서버의 정보를 명확히 입력하여 시스템 이식때 변경가능하도록 한다  최소의 기본적 UI를 제공하고 WAS배포후 스크린샷을 첨부 제출한다 |  |  |  |  |  | | --- | --- | --- | --- | | 배점표 | | | | | 1 | 일정시한 엄수 | 10 |  | | 2 | WEB UI | 5 |  | | 3 | 문서화 | 5 |  | | 4 | 코드 가독성 | 5 |  | | 5 | 검색 UI | 5 |  | | 6 | 페이징 시스템 UI | 5 |  | | 7 | 검색 기능 | 20 |  | | 8 | 페이징 시스템 기능 | 20 |  | | 9 | mongoDB 연동 | 20 |  | | 10 | 기타 | 5 |  | | 계 | | 100 |  | | | | |
| 제품어필 | | | |
| 1. list에서 id나 title을 클릭시 내용이 보이는 detail page를 추가했습니다. | | | |
| 출력결과 | | | |
| <스크린샷>  **1. index page**    **2. dept 1 page**    **2-1. dept 10 page**    **3. dept title 'aut' 검색**  **3-1. dept title 'aut' db에서 검색**  **4. dept content 'vol' 검색**    **4-1. dept content 'vol' db 검색**    **5. detail 페이지** | | | |
| 소소코드 | | | |
| <첨부 - jsp code>  **1. 폴더항목**    **2. header.jspf**  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>  <table width="800" align="center" bgcolor="white">  <tr>  <td>  <img alt="" src="/test/imgs/logo.png" width="200">  </td>  </tr>  <tr>  <td bgcolor="gray" align="center">  <a href="<%=myPath%>/index.jsp">[HOME]</a>  <a href="<%=myPath%>/dept/list.jsp">[DEPT]</a>  <a href="<%=myPath%>/emp/list.jsp">[EMP]준비중</a>  </td>  </tr>  <tr>  <td>  <!-- content start -->  **3. footer.jspf**  <%@ page language="java" contentType="text/html; charset=UTF-8"  pageEncoding="UTF-8"%>  <!-- content end -->  </td>  </tr>  <tr>  <td colspan="5" align="center" bgcolor="cccccc">  Copyright@DOG Corp. All Rights Reserved  </td>  </tr>  </table>  **4. index.jsp**  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>  <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title>Insert title here</title>  </head>  <body bgcolor="#cccccc">  <table width="800" align="center" bgcolor="white">  <tr>  <td>  <img alt="" src="imgs/logo.png" width="200">  </td>  </tr>  <tr>  <td bgcolor="gray" align="center">  <a href="index.jsp">[HOME]</a>  <a href="dept/list.jsp">[DEPT]</a>  <a href="emp/list.jsp">[EMP]준비중</a>  </td>  </tr>  <tr>  <td>  <!-- content start -->  <img alt="" src="imgs/menu.jpg" width="100%">  <!-- content end -->  </td>  </tr>  <tr>  <td align="center" bgcolor="#cccccc">Copyright@DOG Corp. All Rights Reserved</td>  </tr>  </table>  </body>  </html>  **5. list.jsp**  <%@page import="com.mongodb.client.MongoDatabase"%>  <%@page import="com.mongodb.client.MongoCollection"%>  <%@page import="org.bson.Document"%>  <%@page import="com.mongodb.client.MongoCursor"%>  <%@page import="com.mongodb.client.FindIterable"%>  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>  <%@ page import="com.mongodb.\*"%>  <%@ page import="java.util.\*"%>  <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title>Insert title here</title>  </head>  <body bgcolor="#dddddd">  <%  String myPath = "..";  %>  <%@ include file="../template/header.jspf"%>  <!-- content start -->  <h1 align="center">DEPT List</h1>  <table width="700" align="center" border="1">  <tr>  <td align="center" bgcolor="#cccccc" width="50">ID</td>  <td align="center" bgcolor="#cccccc">TITLE</td>  </tr>  <%  MongoClient client = null;  int p = 1;  int count = 0;  long cpage = 0;  String titleop = request.getParameter("sel");  if (titleop == null) {  titleop = "";  }  String contentop = request.getParameter("sel");  if (contentop == null) {  contentop = "";  }  String title = request.getParameter("search");  if (title == null) {  title = "";  }  String content = request.getParameter("search");  if (content == null) {  content = "";  }  try {  p = Integer.parseInt(request.getParameter("p"));  } catch (NumberFormatException e) {  }  try {  client = new MongoClient();  MongoDatabase db = null;  db = client.getDatabase("test2DB");  MongoCollection<Document> coll = null;  coll = db.getCollection("dept01");  FindIterable<Document> ite = null;  if (titleop.equals("T")) {  ite = coll.find(new BasicDBObject("title", new BasicDBObject  ("$regex", title))).skip(10 \* (p - 1)).limit(10);  cpage = coll.countDocuments(new BasicDBObject  ("title", new BasicDBObject("$regex", title)));  } else if (contentop.equals("C")) {  ite = coll.find(new BasicDBObject("body",  new BasicDBObject("$regex", content)))  .skip(10 \* (p - 1)).limit(10);  cpage = coll.countDocuments(new BasicDBObject  ("body", new BasicDBObject("$regex", title)));  } else {  ite = coll.find().skip(10 \* (p - 1)).limit(10);  cpage = coll.countDocuments();  }  MongoCursor<Document> cur = ite.iterator();  while (cur.hasNext()) {  Document obj = cur.next();  %>  <tr>  <td align="center">  <a href="detail.jsp?deptno=  <%=obj.getInteger("\_id", 0)%>">  <%=obj.getInteger("\_id", 0)%></a>  </td>  <td align="center">  <a href="detail.jsp?deptno=  <%=obj.getInteger("\_id", 0)%>">  <%=obj.getString("title")%></a>  </td>  </tr>  <%  }  %>  <p align="center">  <%  for (int i = 0; i < cpage; i += 10) {  count++;  if (titleop.equals("T")) {  %>  <a href="list.jsp?sel=<%=titleop%>&search=<%=title%>&p=<%=count%>">  [<%=count%>]  </a>  <%  } else if (contentop.equals("C")) {  %>  <a href="list.jsp?sel=  <%=contentop%>&search=  <%=content%>&p=<%=count%>">  [<%=count%>]  </a>  <%  } else {  %>  <a href="list.jsp?p=<%=count%>">  [<%=count%>]  </a>  <%  }  }  %>  </p>  <%  } finally {  //mongo.close();  client.close();  }  %>  </table>  <form action="list.jsp">  <p align="center">  <select name="sel">  <option value="T">TITLE</option>  <option value="C">CONTENT</option>  </select>  <input type="text" name="search">  <input type="submit" value="SEARCH">  </p>  </form>  <%@ include file="../template/footer.jspf"%>  <!-- content end -->  </body>  </html>  **6. detail.jsp**  <%@page import="com.mongodb.client.model.Filters"%>  <%@page import="com.mongodb.client.MongoCursor"%>  <%@page import="org.bson.conversions.Bson"%>  <%@page import="org.bson.Document"%>  <%@page import="com.mongodb.client.MongoCollection"%>  <%@page import="com.mongodb.client.MongoDatabase"%>  <%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>  <%@ page import="com.mongodb.\*"%>  <%@ page import="org.bson.\*"%>  <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">  <html>  <head>  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  <title>Insert title here</title>  </head>  <body bgcolor="#dddddd">  <%  String myPath = "..";  %>  <%@ include file="../template/header.jspf"%>  <%  int id = Integer.parseInt(request.getParameter("id"));  String title = null;  String content = null;  MongoClient client = null;  try {  client = new MongoClient();  MongoDatabase db = client.getDatabase("test2DB");  MongoCollection<Document> coll = db.getCollection("dept01");  Bson filter = Filters.eq("\_id", id);  MongoCursor<Document> cur = coll.find(filter).iterator();  if (cur.hasNext()) {  Document doc = cur.next();  id = doc.getInteger("\_id");  title = doc.getString("title");  content = doc.getString("body");  }  } finally {  client.close();  }  %>  <h1 align="center">DEPT Detail Page</h1>  <table align="center" border="1" width=700>  <tr>  <td width="100" bgcolor="#cccccc" align="center">ID</td>  <td><%=id%>  <input type="hidden" name="deptno" value="<%=id%>">  </td>  </tr>  <tr>  <td bgcolor="#cccccc" align="center">TITLE</td>  <td><%=title%>  <input type="hidden" name="dname" value="<%=title%>">  </td>  </tr>  <tr>  <td bgcolor="#cccccc" align="center">CONTENT</td>  <td><%=content%>  <input type="hidden" name="loc" value="<%=content%>">  </td>  </tr>  </table>  <%@ include file="../template/footer.jspf"%>  </body>  </html> | | | |
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