JSP를 이용한 일반게시판

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게시판

❖ **주요 기능**

1. **Connection Pool**

2. **액션태그**
   <jsp:useBean....>
   <jsp:setProperty....>

3. **DTO, DAO 클래스**

4. **페이징 처리 (inline View)**

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❖ 게시판 테이블 생성

```
create table board(
                num number primary key,
                writer varchar2(20) not null,
                email varchar2(30),
                subject varchar2(50) not null,
                passwd varchar2(20) not null,
                reg_date timestamp not null,
                readcount number default 0,
                content varchar2(2000) not null,
                ip varchar2(20) not null );

create  sequence  board_seq
        start with 1
        increment by 1
        nocache;
```

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```
board - src - main - java    - board -  ┌─────────────────────────────────┐
                                        │ BoardDataBean.java (DTO클래스)   │
                                        │ BoardDBBean.java    (DAO클래스)  │
                                        └─────────────────────────────────┘

              webapp - board -  ┌──────────────────┐
                                │ writeForm.jsp    │
                                │ writePro.jsp     │
                                │ list.jsp         │
                                │ content.jsp      │
                                │ updateForm.jsp   │
                                │ updatePro.jsp    │
                                │ deleteForm.jsp   │
                                │ deletePro.jsp    │
                                └──────────────────┘

              META-INF - context.xml(Connection Pool 환경설정파일)

              WEB-INF - lib - ojdbc6.jar

              web.xml(프로젝트의 환경설정 파일)
```

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❖ **Connection Pool 환경설정**
  webapp – META-INF – **context.xml**

```xml
<Context>
  <Resource name="jdbc/orcl"
   auth="Container"
   type="javax.sql.DataSource"
   username="totoro"
   password="totoro123"
   driverClassName="oracle.jdbc.driver.OracleDriver"
   factory="org.apache.tomcat.dbcp.dbcp2.BasicDataSourceFactory"
   url="jdbc:oracle:thin:@localhost:1521:xe"
   maxActive="500"
   maxIdle="100"/>
</Context>
```

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❖ **Connection Pool 에서 컨넥션 구해오기**
webapp – board – dbcpAPITest.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=utf-8"%>
<%@ page import="java.sql.*"%>
<%@ page import="javax.sql.*" %>
<%@ page import="javax.naming.*" %>
<%
        Connection conn = null;

        try {
                Context init = new InitialContext();
                DataSource ds = (DataSource) init.lookup("java:comp/env/jdbc/orcl");
                conn = ds.getConnection();

                out.println("<h3>연결되었습니다.</h3>");
        }catch(Exception e){
                out.println("<h3>연결에 실패하였습니다.</h3>");
                e.printStackTrace();
        }
%>
```

❖ **JSP Model1 Architecture**