# REPORT

애플리케이션 설계 정기 수행평가

과 목 명애플리케이션<br/>설계능력 단 위 공통 모듈 설계성 명 장경준

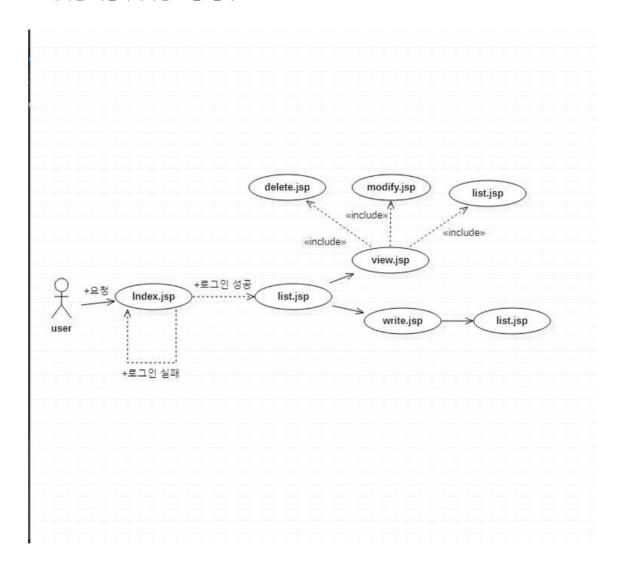
수행평가 실습 보고서			
능력단위 요소	공통 모듈 설계	작 성 자	장경준
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단계명	구현	문서번호	#1

# 1.SDK(System Development Kit) 또는 개발 도구 정보

구분	내용
SDK(개발도구) 명칭	eclipse
SDK(개발도구) 버전	eclipse 2021-03
SDK(개발도구)설명 (주요기능의 설명)	● 여러 프로젝트 동시 관리 가능. ● 자바로 만들어져 자바 가상머신 위에서 실행.
SDK(개발도구) 사용방법 (가격, 절차 등)	오픈소스

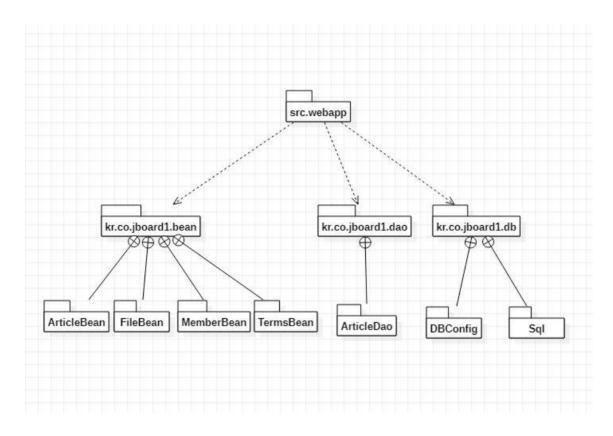
# 2. 평가문항 풀이

## 1. 게시판 애플리케이션 모듈 설계



< StarUML 로 작성>

## 2. 공통 모듈 클래스 설계 및 구현



#### 3. 공통 모듈 클래스 코드 첨부 및 설명

#### 3-1. bean 패키시 설계

: 객체를 관리하기 위한 생성자 설계

```
package kr.co.jboard1.bean;
  public class ArticleBean {
      private int seq;
      private int parent;
      private int comment;
      private String cate;
     private String title;
     private String content;
     private int file;
      private int hit;
      private String uid;
     private String regip;
     private String rdate;
 private String nick;
      private FileBean fb;
      public FileBean getFb() {
90
         return fb;
     public void setFb(FileBean fb) {
30
         this.fb = fb;
     public String getNick() {
70
         return nick;
1
     public void setNick(String nick) {
10
        this.nick = nick;
9
      public int getSeq() {
         return seq;
30
     public void setSeq(int seq) {
         this.seq = seq;
10
     public int getParent() {
         return parent;
0
      public void setParent(int parent) {
         this.parent = parent;
30
      public void setParent(String parent) {
          this manant - Integer mancaInt/na
```

```
package kr.co.jboard1.bean;
3
  public class FileBean {
5
      private int seq;
6
      private int parent;
7
      private String oriName;
8
      private String newName;
9
      private int download;
0
      private String rdate;
1
20
      public int getSeq() {
3
          return seq;
4
      public void setSeq(int seq) {
50
6
          this.seq = seq;
      public int getParent() {
89
9
          return parent;
0
      public void setParent(int parent) {
10
          this.parent = parent;
3
40
      public String getOriName() {
5
          return oriName;
6
79
      public void setOriName(String oriName) {
          this.oriName = oriName;
8
9
00
      public String getNewName() {
1
          return newName;
2
30
      public void setNewName(String newName) {
          this.newName = newName;
5
60
      public int getDownload() {
7
          return download;
8
      public void setDownload(int download) {
99
0
          this.download = download;
1
20
      public String getRdate() {
3
          return rdate;
4
      public void setRdate(String rdate) {
50
6
          this.rdate = rdate;
      }
8 }
```

< FileBean.java >

```
1 package kr.co.jboard1.bean;
   public class MemberBean {
1
       private String uid;
       private String pass;
5
6
       private String name;
7
       private String nick;
       private String email;
8
9
       private String hp;
10
       private int
                       grade;
11
       private String zip;
       private String addr1;
12
       private String addr2;
13
14
       private String regip;
15
       private String rdate;
16
L70
       public String getUid() {
18
           return uid;
19
200
       public void setUid(String uid) {
21
           this.uid = uid;
22
       public String getPass() {
230
24
           return pass;
25
260
       public void setPass(String pass) {
27
           this.pass = pass;
28
       public String getName() {
29⊕
30
           return name;
31
320
       public void setName(String name) {
33
           this.name = name;
34
35⊕
       public String getNick() {
36
           return nick;
37
389
       public void setNick(String nick) {
39
           this.nick = nick;
10
110
       public String getEmail() {
12
           return email;
13
       public void setEmail(String email) {
140
15
           this.email = email;
16
170
       public String getHp() {
18
           return hp;
200
```

```
package kr.co.jboard1.bean;
3 public class TermsBean {
5
       private String terms;
6
      private String privacy;
7
89
       public String getTerms() {
9
          return terms;
LØ
      public void setTerms(String terms) {
110
12
          this.terms = terms;
13
14
15⊕
       public String getPrivacy() {
16
          return privacy;
17
189
      public void setPrivacy(String privacy) {
19
          this.privacy = privacy;
20
21 }
22
```

< TermsBean.java >

#### 3-2. Dao 패키지 생성

: 데이터베이스의 data에 접근하기 위한 객체 생성.

```
package kr.co.jboardl.dao;
   3⊕ import java.sql.Connection;[]
13
14
15
      public class ArticleDao {
 16
17
             private static ArticleDao instance = new ArticleDao(); private ArticleDao() \{\}
 18
             public static ArticleDao getInstance() {
 190
 20
21
22
             public int[] getPageGroup(int currentPage, int lastPageNum) {
 230
 24
25
                   int groupCurrent = (int) Math.ceil(currentPage / 10.0);
int groupStart = (groupCurrent - 1) * 10 + 1;
int groupEnd = groupCurrent * 10;
26
27
28
29
30
31
32
33
34
35
36
37
38<sup>©</sup>
39
                    if(groupEnd > lastPageNum) {
    groupEnd = lastPageNum;
                    }
                    int[] groups = {groupStart, groupEnd};
                    return groups;
             }
             public int getPageStartNum(int total, int start) {
                    return total - start;
 40
41
             public int getLimitStart(int currentPage) {
    return (currentPage - 1) * 10;
 42<del>0</del>
43
 44
45
 46⊜
47
             public int getCurrentPage(String pg) {
 48
49
                    int currentPage = 1;
                    if(pg != null) {
    currentPage = Integer.parseInt(pg);
 50
51
52
53
54
55
56
                    return currentPage;
            }
int lastPageNum = 0;
               if(total % 10 == 0){
    lastPageNum = total / 10;
}
               }else{
    lastPageNum = total / 10 + 1;
                return lastPageNum;
           public int selectCountArticle() {
               try{
                     Connection conn = DBConfig.getInstance().getConnection();
                     PreparedStatement psmt = conn.prepareStatement(Sql.SELECT COUNT ARTICLE);
                     ResultSet rs = psmt.executeQuery();
                     if(rs.next()) {
   total = rs.getInt(1);
                     }
                conn.close();
}catch(Exception e){
    e.printStackTrace();
}
                return total;
           public void insertArticle() {}
public void insertComment(ArticleBean comment) {
                 try{
                     Connection conn = DBConfig.getInstance().getConnection();

//
PreparedStatement psmt = conn.prepareStatement(Sql.INSERT_COMMENT);
psmt.setInt(1, comment.getParent());
psmt.setString(2, comment.getContent());
psmt.setString(3, comment.getId());
psmt.setString(4, comment.getRegip());
```

#### 3-3. db패키지 생성

: db 커넥션과 sql 구문 생성

```
1 package kr.co.jboard1.db;
3⊕ import java.sql.Connection; [
6 public class DBConfig {
8
       private static DBConfig instance = new DBConfig();
Q
       private DBConfig() {}
10
110
      public static DBConfig getInstance() {
12
           return instance;
13
14
           private final String HOST = "jdbc:mysql://54.180.160.240:3306/egag8843";
15
       private final String USER = "egag8843";
16
       private final String PASS = "1234";
17
18
19⊖
       public Connection getConnection() throws Exception {
20
                   Class.forName("com.mysql.jdbc.Driver");
21
                   Connection conn = DriverManager.getConnection(HOST, USER, PASS);
22
23
           return conn;
24
       }
25 }
26
```

#### < DBConfig.java >

```
public class Sql {

public class Sql {

public static final String SFLECT_COUNT_EMAIL = "SELECT COUNT("email") FROM "JBOARD_MEMBER" WHERE "email" public static final String SFLECT_COUNT_MP = "SELECT COUNT("hp") FROM "JBOARD_MEMBER" WHERE "inp" public static final String SFLECT_COUNT_UID = "SELECT COUNT("lid") FROM "JBOARD_MEMBER" WHERE "inck public static final String SFLECT_COUNT_UID = "SELECT COUNT("lid") FROM "JBOARD_MEMBER" WHERE "lid" public static final String SFLECT_MEMBER = "SELECT "FROM "JBOARD_MEMBER" WHERE "lid" = "AND "pass" = PAS "Unid" = "AN
```

< Sal.iava >