```java
1  package com.myspring.pro30.board.service;
2
3  import java.util.HashMap;
4  import java.util.List;
5  import java.util.Map;
6
7  import org.springframework.beans.factory.annotation.Autowired;
8  import org.springframework.stereotype.Service;
9  import org.springframework.transaction.annotation.Propagation;
10 import org.springframework.transaction.annotation.Transactional;
11
12 import com.myspring.pro30.board.dao.BoardDAO;
13 import com.myspring.pro30.board.vo.ArticleVO;
14 import com.myspring.pro30.board.vo.ImageVO;
15
16
17 @Service("boardService")
18 @Transactional(propagation = Propagation.REQUIRED)
19 public class BoardServiceImpl  implements BoardService{
20     @Autowired
21     BoardDAO boardDAO;
22
23     public List<ArticleVO> listArticles() throws Exception{
24         List<ArticleVO> articlesList =  boardDAO.selectAllArticl
25         return articlesList;
26     }
27
28
29     //단일 이미지 추가하기
30     @Override
31     public int addNewArticle(Map articleMap) throws Exception{
32         return boardDAO.insertNewArticle(articleMap);
33     }
34
35      //다중 이미지 추가하기
36     /*
37     @Override
38     public int addNewArticle(Map articleMap) throws Exception{
39         int articleNO = boardDAO.insertNewArticle(articleMap);
40         articleMap.put("articleNO", articleNO);
41         boardDAO.insertNewImage(articleMap);
```

```java
42              return articleNO;
43          }
44          */
45          /*
46          //다중 파일 보이기
47          @Override
48          public Map viewArticle(int articleNO) throws Exception {
49              Map articleMap = new HashMap();
50              ArticleVO articleVO = boardDAO.selectArticle(articleNO);
51              List<ImageVO> imageFileList = boardDAO.selectImageFileLi
52              articleMap.put("article", articleVO);
53              articleMap.put("imageFileList", imageFileList);
54              return articleMap;
55          }
56      */
57
58
59      //단일 파일 보이기
60      @Override
61      public ArticleVO viewArticle(int articleNO) throws Exception
62              ArticleVO articleVO = boardDAO.selectArticle(articleNO);
63              return articleVO;
64      }
65
66
67      @Override
68      public void modArticle(Map articleMap) throws Exception {
69              boardDAO.updateArticle(articleMap);
70      }
71
72      @Override
73      public void removeArticle(int articleNO) throws Exception {
74              boardDAO.deleteArticle(articleNO);
75      }
76
77
78
79 }
80
```