

JancoBlog 个人博客 V2.0

```
import com.baomidou.mybatisplus.annotation.TableField;
import com.baomidou.mybatisplus.annotation.TableId;
import com.baomidou.mybatisplus.annotation.TableName;
import com.baomidou.mybatisplus.extension.activerecord.Model;
import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.NoArgsConstructor;
import lombok.experimental.Accessors;
import java.io.IOException;
import java.io.UnsupportedEncodingException;
import java.time.LocalDateTime;
import java.io.Serializable;
import java.util.Date;
import java.util.List;
import java.util.Objects;
import java.util.UUID;
@Data
@EqualsAndHashCode(callSuper = true)
@AllArgsConstructor
@NoArgsConstructor
@Accessors(chain = true)
@TableName("tbl_article")
public class Article extends Model<Article> {
    private static final long serialVersionUID = 1L;
    @TableId(value = "article_id")
    private String articleId;
    private String articleTitle;
    private Integer articleAuthor;
    private Integer articleType;
    private String articleSummary;
    private String articleHtml;
    private String articleMd;
    private Integer articleIsComment;
    private Integer articleRank;
    private Date articlePostTime;
    private Date articleEditTime;
    private Integer articleViewCount;
    private Integer articleCommentCount;
    private Integer articleLikeCount;
    @TableField(exist = false)
    private String userName;
    @TableField(exist = false)
    private String typeName;
}
package com.jancoyan.jancoblog.pojo;
    import com.baomidou.mybatisplus.annotation.TableId;
    import com.baomidou.mybatisplus.annotation.TableName;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import lombok.Data;
```

```

        import lombok.EqualsAndHashCode;
        import java.util.Date;
@EqualsAndHashCode(callSuper = true)
@TableName("tbl_article_image")
@Data
public class ArticleImage extends Model<ArticleImage> {
    private static final long serialVersionUID = 1L;
    @TableId(value = "filename")
    private String filename;
    private String articleId;
    private Date insertDate;
}
package com.jancoyan.jancoblog.pojo;
    import com.baomidou.mybatisplus.annotation.TableField;
    import com.baomidou.mybatisplus.annotation.TableName;
    import com.baomidou.mybatisplus.annotation.IdType;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import com.baomidou.mybatisplus.annotation.TableId;
    import lombok.AllArgsConstructor;
    import lombok.Data;
    import lombok.EqualsAndHashCode;
    import lombok.NoArgsConstructor;
    import lombok.experimental.Accessors;
    import java.time.LocalDateTime;
    import java.io.Serializable;
    import java.util.Date;

@Data
@EqualsAndHashCode(callSuper = true)
@AllArgsConstructor
@NoArgsConstructor
@Accessors(chain = true)
@TableName("tbl_comment")
public class Comment extends Model<Comment> {
    private static final long serialVersionUID = 1L;
    @TableId(value = "comment_id", type = IdType.AUTO)
    private Integer commentId;
    private Integer preCommentId;
    private String commentArticleId;
    private Integer commentAuthorId;
    private String commentAuthorName;
    private String commentAuthorEmail;
    private String commentContent;
    private Date commentDate;
    private String commentAuthorIp;
    private Integer commentLikeCount;
    @TableField(exist = false)
    private String articleTitle;
}
package com.jancoyan.jancoblog.pojo;
    import com.baomidou.mybatisplus.annotation.TableField;

```

```

import com.baomidou.mybatisplus.annotation.TableName;
import com.baomidou.mybatisplus.annotation.IdType;
import com.baomidou.mybatisplus.extension.activerecord.Model;
import com.baomidou.mybatisplus.annotation.TableId;
import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.NoArgsConstructor;
import lombok.experimental.Accessors;
import java.time.LocalDateTime;
import java.io.Serializable;
import java.util.Date;

@Data
@EqualsAndHashCode(callSuper = true)
@AllArgsConstructor
@NoArgsConstructor
@Accessors(chain = true)
@TableName("tbl_like_record")
public class LikeRecord extends Model<LikeRecord> {
    private static final long serialVersionUID = 1L;
    @TableId(value = "like_id", type = IdType.AUTO)
    private Integer likeId;
    private String articleId;
    private Integer authorId;
    private Date likeDate;
    @TableField(exist = false)
    private String userName;
    @TableField(exist = false)
    private String articleTitle;
    @TableField(exist = false)
    private String articleAuthor;
}

package com.jancoyan.jancoblog.pojo;

import com.baomidou.mybatisplus.extension.activerecord.Model;
import lombok.AllArgsConstructor;
import lombok.Data;
import lombok.EqualsAndHashCode;
import lombok.NoArgsConstructor;
import lombok.experimental.Accessors;
import java.util.Date;

@Data
@AllArgsConstructor
@NoArgsConstructor
@EqualsAndHashCode(callSuper = true)
@Accessors(chain = true)
public class PageArticle extends Model<PageArticle>{
    private String articleId;
    private Integer articleAuthor;
    private String articleTitle;
    private Date articlePostTime;

```

```

}
package com.jancoyan.jancoblog.pojo;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import lombok.AllArgsConstructor;
    import lombok.Data;
    import lombok.EqualsAndHashCode;
    import lombok.NoArgsConstructor;
    import lombok.experimental.Accessors;
    import java.util.Date;
    @EqualsAndHashCode(callSuper = true)
    @Data
    @AllArgsConstructor
    @NoArgsConstructor
    @Accessors(chain = true)
    public class PageComment extends Model<LikeRecord> {
        private String commentAuthorName;
        private String articleId;
        private Integer articleAuthor;
        private String articleTitle;
        private Date commentDate;
    }
package com.jancoyan.jancoblog.pojo;
    import com.baomidou.mybatisplus.annotation.TableField;
    import com.baomidou.mybatisplus.annotation.TableName;
    import com.baomidou.mybatisplus.annotation.IdType;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import com.baomidou.mybatisplus.annotation.TableId;
    import lombok.AllArgsConstructor;
    import lombok.Data;
    import lombok.EqualsAndHashCode;
    import lombok.NoArgsConstructor;
    import lombok.experimental.Accessors;
    import java.util.Date;
    @Data
    @EqualsAndHashCode(callSuper = true)
    @AllArgsConstructor
    @NoArgsConstructor
    @Accessors(chain = true)
    @TableName("tbl_user")
    public class User extends Model<User> {
        @TableId(value = "user_id", type = IdType.AUTO)
        private Integer userId;
        private String userName;
        private String userSignature;
        private String userPassword;
        private Integer userRole;
        private Date userCreateDate;
        private Date userLastLoginDate;
        private String userIp;
        @TableField(exist = false)

```

```
        private String roleName;
    }

package com.jancoyan.jancoblog.pojo;

    import com.baomidou.mybatisplus.annotation.IdType;
    import com.baomidou.mybatisplus.annotation.TableId;
    import com.baomidou.mybatisplus.annotation.TableName;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import lombok.AllArgsConstructor;
    import lombok.Data;
    import lombok.EqualsAndHashCode;
    import lombok.NoArgsConstructor;
    import lombok.experimental.Accessors;
    import java.util.Date;

    @Data
    @EqualsAndHashCode(callSuper = true)
    @AllArgsConstructor
    @NoArgsConstructor
    @Accessors(chain = true)
    @TableName("tbl_user_info")
    public class UserInfo extends Model<UserInfo> {
        private static final long serialVersionUID = 1L;
        @TableId(value = "user_id", type = IdType.AUTO)
        private long userId;
        private String userEmail;
        private Integer userSex;
        private String userRegion;
        private Date userBirthdate;
        private String userTelephone;
        private String userRealName;
        private String userSchool;
        private String userMajor;
        private Date userEnterSchoolDate;
        private String userAcademicDegree;
        private String userCompany;
        private String userPosition;
        private String userField;
    }

package com.jancoyan.jancoblog.pojo;

    import com.baomidou.mybatisplus.annotation.TableName;
    import com.baomidou.mybatisplus.annotation.IdType;
    import com.baomidou.mybatisplus.extension.activerecord.Model;
    import com.baomidou.mybatisplus.annotation.TableId;
    import lombok.AllArgsConstructor;
    import lombok.Data;
    import lombok.EqualsAndHashCode;
    import lombok.NoArgsConstructor;
    import lombok.experimental.Accessors;
    import java.time.LocalDateTime;
    import java.io.Serializable;
    import java.util.Date;
```

```
@EqualsAndHashCode(callSuper = true)
@Data
@AllArgsConstructor
@NoArgsConstructor
@Accessors(chain = true)
@TableName("tbl_user_login")
public class UserLogin extends Model<UserLogin> {
    private static final long serialVersionUID = 1L;
    @TableId(value = "id", type = IdType.AUTO)
    private Integer id;
    private Integer loginUser;
    private Date loginDate;
    private String loginIp;
    private String loginAddress;
    private String userAgent;
    private String browserName;
    private String browserVersion;
    private String osName;
    private String osVersion;
}

package com.jancoyan.jancoblog.controller;

import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.*;
import com.jancoyan.jancoblog.service.ArticleService;
import com.jancoyan.jancoblog.service.CommentService;
import com.jancoyan.jancoblog.service.LikeRecordService;
import com.jancoyan.jancoblog.utils.ArticleUtils;
import com.jancoyan.jancoblog.utils.Msg;
import com.jancoyan.jancoblog.utils.RedisUtil;
import com.jancoyan.jancoblog.utils.TimeUtils;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
import org.springframework.web.multipart.MultipartFile;
import javax.servlet.http.HttpServletRequest;
import java.io.File;
import java.io.IOException;
import java.io.UnsupportedEncodingException;
import java.util.Date;
import java.util.List;
import java.util.Objects;
import java.util.UUID;

@RestController
@RequestMapping("/article")
public class ArticleController {
    @Autowired
    ArticleService service;
    @Autowired
```

```

CommentService commentService;
@Autowired
LikeRecordService likeRecordService;
@Autowired
RedisUtil redisUtil;
@RequestMapping(value = "/all")
public Msg listArticleIndex(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition
){
    IPage<Article> iPage = service.listArticleIndex(Integer.parseInt(pn),
        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/manage")
public Msg listArticleManageAll(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.expire();
    }
    IPage<Article> iPage = service.listArticleManage(null,
        Integer.parseInt(pn),
        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/user", method = RequestMethod.GET)
public Msg listArticleManageUser(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition,
    HttpServletRequest request){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.expire();
    }
    User user = (User) redisUtil.get(token);
    if(null == user){
        return Msg.fail();
    }
    IPage<Article> iPage = service.listArticleManage(
        user.getUserId(),
        Integer.parseInt(pn),

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        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/deleted/all", method = RequestMethod.GET)
public Msg listDeletedAll(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.expire();
    }
    IPage<Article> iPage = service.listDeleted(
        null,
        Integer.parseInt(pn),
        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/deleted/user", method = RequestMethod.GET)
public Msg listDeletedUser(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.fail();
    }
    User user = (User) redisUtil.get(token);
    if(null == user){
        return Msg.expire();
    }
    IPage<Article> iPage = service.listDeleted(
        user.getUserId(),
        Integer.parseInt(pn),
        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/deleted/delete", method = RequestMethod.POST)
public Msg deleteArticleDeleted(
    String ids,
    HttpServletRequest request
){
    String token = request.getHeader("token");

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```
        if(null == token){
            return Msg.fail();
        }
        boolean suc = service.deleteCompletely(ids);
        return Msg.success().add("suc", suc);
    }

    @RequestMapping(value = "/deleted/recover", method = RequestMethod.POST)
    public Msg recoverArticle(
        String ids,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail();
        }
        boolean suc = service.batchRecoverDeletedArticle(ids);
        commentService.recoverCommentByArticle(ids);
        return Msg.success().add("suc", suc);
    }

    @RequestMapping(value = "/delete", method = RequestMethod.POST)
    public Msg deleteArticle(
        String ids,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail();
        }
        boolean suc = service.batchDeleteArticle(ids);
        commentService.deleteCommentByArticle(ids);
        return Msg.success().add("suc", suc);
    }

    @RequestMapping(value = "/edit", method = RequestMethod.GET)
    public Msg getArticleEdit(
        @RequestParam(value = "id") String id,
        HttpServletRequest request){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail();
        }
        Article article = service.getArticleEdit(id);
        return Msg.success().add("article", article);
    }

    @RequestMapping(value = "/single", method = RequestMethod.GET)
    public Msg getArticleSingle(
        @RequestParam(value = "id") String articleId
    ){
        Article article = service.getArticleSingle(articleId);
        return Msg.success().add("article", article);
    }
}
```

```

@RequestMapping(value = "/single/deleted", method = RequestMethod.GET)
public Msg getArticleSingleDeleted(
    @RequestParam(value = "id") String articleId
){
    Article article = service.getArticleSingleDeleted(articleId);
    return Msg.success().add("article", article);
}

@RequestMapping(value = "/recent", method = RequestMethod.GET)
public Msg listArticleUserRecently(
    @RequestParam(value = "id") String id,
    @RequestParam(value = "pn", defaultValue = "1")Integer pn,
    @RequestParam(value = "limit", defaultValue = "10")Integer limit
){
    IPage<PageArticle> iPage = service.listArticleUserRecently(id, pn, limit);
    return Msg.success().add("pageInfo", iPage);
}

@RequestMapping(value = "/like", method = RequestMethod.POST)
public Msg addLikeCount(
    @RequestParam(value = "id")String id,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.loginNeeded();
    }
    User user = (User) redisUtil.get(token);
    if(null == user){
        return Msg.expire();
    }
    service.addLikeCount(id);
    likeRecordService.insertRecord(user.getUserId(), id);
    return Msg.success();
}

@RequestMapping(value = "/dislike", method = RequestMethod.POST)
public Msg subLikeCount(
    @RequestParam(value = "id")String id,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.loginNeeded();
    }
    User user = (User) redisUtil.get(token);
    service.subLikeCount(id);
    likeRecordService.deleteRecord(user.getUserId(), id);
    return Msg.success();
}

@RequestMapping(value = "/view", method = RequestMethod.GET)
public Msg addViewCount(@RequestParam(value = "id")String id){
    service.addViewCount(id);
}

```

```
        return Msg.success();
    }
    @RequestMapping(value = "/toggle/comment", method = RequestMethod.POST)
    public Msg updateIsComment(
        @RequestParam(value = "id")String id,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail();
        }
        boolean suc = service.updateIsComment(id);
        if(suc) {
            return Msg.success();
        } else {
            return Msg.fail();
        }
    }
    @RequestMapping(value = "/toggle/top", method = RequestMethod.POST)
    public Msg updateArticleTop(
        @RequestParam(value = "id")String id,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail();
        }
        boolean suc = service.updateIsTop(id);
        if(suc) {
            return Msg.success();
        } else {
            return Msg.fail();
        }
    }
    @RequestMapping(value = "/picture", method = RequestMethod.POST)
    public Msg uploadPicture(
        @RequestParam(value = "file") MultipartFile file,
        HttpServletRequest request
    ) throws IOException {
        if (file == null) {
            return Msg.fail().add("msg", "请选择要上传的图片");
        }
        if (file.getSize() > 1024 * 1024 * 10) {
            return Msg.fail().add("msg", "文件大小不能大于 10M");
        }
        String suffix = Objects.requireNonNull(file.getOriginalFilename()).substring(file.getOriginalFilename().lastIndexOf(".") + 1);
        if (!"jpg,jpeg,gif,png".toUpperCase().contains(suffix.toUpperCase())) {
            return Msg.fail().add("msg", "请选择 jpg,jpeg,gif,png 格式的图片");
        }
    }
```

```

String nowMonth = TimeUtils.getCurrentTimeString().substring(0, 7);
String savePath =
    new File(".").getCanonicalPath() + "\\target\\classes\\static\\p\\" +
        nowMonth + "\\";
File savePathFile = new File(savePath);
if (!savePathFile.exists()) {
    savePathFile.mkdir();
}
String filename = UUID.randomUUID().toString().replaceAll("-", "") + "." + suffix;
try {
    file.transferTo(new File(savePath + filename));
} catch (Exception e) {
    e.printStackTrace();
    return Msg.fail().add("msg", "保存文件异常");
}
String url = "http:
return Msg.success().add("url", url);
}
@RequestMapping(value = "/post", method = RequestMethod.POST)
public Msg insertArticle(
    @RequestParam(value = "title") String title,
    @RequestParam(value = "type") String type,
    @RequestParam(value = "summary") String summary,
    @RequestParam(value = "comment") String comment,
    @RequestParam(value = "md") String md,
    @RequestParam(value = "html") String html,
    HttpServletRequest request
) throws UnsupportedEncodingException {
    request.setCharacterEncoding("utf-8");
    String token = request.getHeader("token");
    User user;
    if(null == token){
        return Msg.fail();
    }else{
        user = (User) redisUtil.get(token);
        if(null == user) {
            return Msg.expire();
        }
    }
    Article article = new Article();
    article.setArticleTitle(title)
        .setArticleAuthor(user.getUserId())
        .setArticleType(Integer.parseInt(type))
        .setArticleHtml(ArticleUtils.simplifyImages(html))
        .setArticleMd(ArticleUtils.replaceSingleSlash(md))
        .setArticleIsComment("true".equals(comment) ? 1 : 0)
        .setArticleRank(0);
    long now = System.currentTimeMillis();
    article.setArticleId(ArticleUtils.getArticleId(user.getUserId(), now))
        .setArticlePostTime(new Date(now))

```

```

        .setArticleEditTime(new Date(now));
    if(!"".equals(summary)){
        article.setArticleSummary(summary);
    }else{
        article.setArticleSummary(ArticleUtils.getArticleDefaultSummary(html));
    }
    List<String> images = ArticleUtils.getPicturesInArticle(html);
    ArticleImage articleImage = new ArticleImage();
    for (String image : images) {
        articleImage.setInsertDate(new Date(now));
        articleImage.setArticleId(article.getArticleId());
        articleImage.setFilename(image);
        articleImage.insert();
    }
    boolean suc = article.insert();
    return Msg.success().add("suc", suc).add("id", article.getArticleId());
}

@RequestMapping(value = "/update", method = RequestMethod.POST)
public Msg updateArticle(
    @RequestParam(value = "id") String id,
    @RequestParam(value = "title") String title,
    @RequestParam(value = "type") String type,
    @RequestParam(value = "summary") String summary,
    @RequestParam(value = "comment") String comment,
    @RequestParam(value = "md") String md,
    @RequestParam(value = "html") String html,
    HttpServletRequest request
) throws UnsupportedEncodingException {
    request.setCharacterEncoding("utf-8");
    String token = request.getHeader("token");
    User user;
    if(null == token){
        return Msg.fail();
    }else{
        user = (User) redisUtil.get(token);
        if(null == user) {
            return Msg.expire();
        }
    }
    Article article = new Article();
    article.setArticleId(id)
        .setArticleTitle(title)
        .setArticleAuthor(user.getUserId())
        .setArticleType(Integer.parseInt(type))
        .setArticleHtml(ArticleUtils.simplifyImages(html))
        .setArticleMd(ArticleUtils.replaceSingleSlash(md))
        .setArticleIsComment("true".equals(comment) ? 1 : 0)
        .setArticleRank(0);
    long now = System.currentTimeMillis();
    article.setArticleEditTime(new Date(now));

```

```

        if(!"".equals(summary)){
            article.setArticleSummary(summary);
        }else{
            article.setArticleSummary(ArticleUtils.getArticleDefaultSummary(html));
        }
        List<String> images = ArticleUtils.getPicturesInArticle(html);
        ArticleImage articleImage = new ArticleImage();
        for (String image : images) {
            articleImage.setInsertDate(new Date(now));
            articleImage.setArticleId(article.getArticleId());
            articleImage.setFilename(image);
            articleImage.insert();
        }
        boolean suc = article.updateById();
        return Msg.success().add("suc", suc).add("id", article.getArticleId());
    }
}

package com.jancoyan.jancoblog.controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.stereotype.Controller;
@Controller
@RequestMapping("/article_image")
public class ArticleImageController {
}

package com.jancoyan.jancoblog.controller;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.Article;
import com.jancoyan.jancoblog.pojo.Comment;
import com.jancoyan.jancoblog.pojo.PageComment;
import com.jancoyan.jancoblog.pojo.User;
import com.jancoyan.jancoblog.service.CommentService;
import com.jancoyan.jancoblog.utils.Msg;
import com.jancoyan.jancoblog.utils.RedisUtil;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
import javax.servlet.http.HttpServletRequest;
import java.util.Date;
@RestController
@RequestMapping("/comment")
public class CommentController {
    @Autowired
    CommentService service;
    @Autowired
    RedisUtil redisUtil;
    @RequestMapping(value = "/all")
    public Msg listAll(
        @RequestParam(value = "pn")String pn,

```

```

        @RequestParam(value = "limit", defaultValue = "10")String limit,
        @RequestParam(value = "condition", defaultValue = "")String condition
    ){
        IPage<Comment> iPage = service.listAll(null, Integer.parseInt(pn),
            Integer.parseInt(limit),
            condition);
        return Msg.success().add("pageInfo", iPage);
    }
    @RequestMapping(value = "/receive")
    public Msg listCommentByUserReceive(
        @RequestParam(value = "pn")String pn,
        @RequestParam(value = "limit", defaultValue = "10")String limit,
        @RequestParam(value = "condition", defaultValue = "")String condition,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.expire();
        }
        User user = (User) redisUtil.get(token);
        IPage<Comment> iPage = service.listAll(
            String.valueOf(user.getUserId()),
            Integer.parseInt(pn),
            Integer.parseInt(limit),
            condition);
        return Msg.success().add("pageInfo", iPage);
    }
    @RequestMapping(value = "/posted")
    public Msg listCommentByUserPosted(
        @RequestParam(value = "pn")String pn,
        @RequestParam(value = "limit", defaultValue = "10")String limit,
        @RequestParam(value = "condition", defaultValue = "")String condition,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.expire();
        }
        User user = (User) redisUtil.get(token);
        if(null == user){
            return Msg.fail().add("msg", "获取失败");
        }
        IPage<Comment> iPage = service.listCommentByUserPosted(
            String.valueOf(user.getUserId()),
            Integer.parseInt(pn),
            Integer.parseInt(limit),
            condition);
        return Msg.success().add("pageInfo", iPage);
    }
    @RequestMapping(value = "/delete", method = RequestMethod.POST)

```

```

public Msg deleteComment(
    @RequestParam(value = "ids") String ids
){
    boolean suc = service.batchDeleteComment(ids);
    return Msg.success().add("suc", suc ? "success" : "fail");
}
@RequestMapping(value = "/article")
public Msg listCommentByArticle(
    @RequestParam(value = "id") String id,
    @RequestParam(value = "pn")Integer pn,
    @RequestParam(value = "limit", defaultValue = "7") Integer limit
){
    IPage<Comment> iPage = service.listCommentByArticle(id, pn, limit);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/post", method = RequestMethod.POST)
public Msg insertComment(
    @RequestParam(value = "articleId")String articleId,
    @RequestParam(value = "name", defaultValue = "") String userName,
    @RequestParam(value = "email", defaultValue = "")String email,
    @RequestParam(value = "content")String content,
    HttpServletRequest request
){
    Comment comment = new Comment();
    String token = request.getHeader("token");
    User user = (User) redisUtil.get(token);
    if(null == user && null != token) {
        return Msg.expire();
    }
    if(null == token || "".equals(token)){
        comment.setCommentAuthorEmail(email);
        comment.setCommentAuthorName(userName);
    } else {
        comment.setCommentAuthorName(user.getUserName());
        comment.setCommentAuthorId(user.getId());
    }
    comment.setCommentArticleId(articleId);
    comment.setCommentDate(new Date());
    comment.setCommentContent(content);
    comment.setCommentAuthorIp(request.getScheme());
    Article article = new Article();
    article.setArticleId(articleId);
    article = article.selectById();
    article.setArticleCommentCount(article.getArticleCommentCount() + 1);
    article.updateById();
    comment.insert();
    return Msg.success();
}
@RequestMapping(value = "/like", method = RequestMethod.POST)
public Msg likeComment(

```

```

        @RequestParam(value = "id") Integer id
    ){
        service.likeComment(id);
        return Msg.success();
    }
    @RequestMapping(value = "/recent", method = RequestMethod.GET)
    public Msg listCommentByUserRecentlyReceive(
        @RequestParam(value = "id") String authorId,
        @RequestParam(value = "pn", defaultValue = "1") String pn,
        @RequestParam(value = "limit", defaultValue = "10") String limit
    ){
        IPage<PageComment> iPage = service.listCommentByUserRecently(authorId);
        return Msg.success().add("pageInfo", iPage);
    }
}

package com.jancoyan.jancoblog.controller;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.Comment;
import com.jancoyan.jancoblog.pojo.DeletedComment;
import com.jancoyan.jancoblog.service.DeletedCommentService;
import com.jancoyan.jancoblog.utils.Msg;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;

@RestController
@RequestMapping("/deleted/comment")
public class DeletedCommentController {
    @Autowired
    DeletedCommentService service;
    @RequestMapping(value = "/article", method = RequestMethod.GET)
    public Msg getCommentByArticle(
        @RequestParam(value = "id") String id,
        @RequestParam(value = "pn", defaultValue = "1")Integer pn,
        @RequestParam(value = "limit", defaultValue = "7") Integer limit
    ){
        IPage<DeletedComment> iPage = service.getCommentByArticle(id, pn, limit);
        return Msg.success().add("pageInfo", iPage);
    }
}

package com.jancoyan.jancoblog.controller;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.baomidou.mybatisplus.extension.plugins.pagination.Page;
import com.jancoyan.jancoblog.pojo.User;
import com.jancoyan.jancoblog.pojo.UserLogin;
import com.jancoyan.jancoblog.service.UserLoginService;
import com.jancoyan.jancoblog.utils.Msg;

```

```
import com.jancoyan.jancoblog.utils.RedisUtil;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
import javax.servlet.http.HttpServletRequest;
import java.util.List;

@RestController
@RequestMapping("/login")
public class UserLoginController {
    @Autowired
    UserLoginService service;
    @Autowired
    RedisUtil redisUtil;
    @RequestMapping(value = "/all", method = RequestMethod.GET)
    public Msg getAll(
        @RequestParam(value = "id", defaultValue = "") String userId,
        HttpServletRequest request
    ){
        String token = request.getHeader("token");
        if(null == token){
            return Msg.fail().add("msg", "用户验证失败");
        }
        User user = (User) redisUtil.get(token);
        if(null == user){
            return Msg.expire();
        }
        UserLogin userLogin = new UserLogin();
        QueryWrapper<UserLogin> wrapper = new QueryWrapper<>();
        wrapper.eq("login_user", user.getUserId());
        wrapper.orderByDesc("login_date");
        IPage<UserLogin> iPage = new Page<>(1, 10);
        iPage = userLogin.selectPage(iPage, wrapper);
        return Msg.success().add("pageInfo", iPage);
    }
}

package com.jancoyan.jancoblog.utils;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.jancoyan.jancoblog.pojo.Article;
import java.util.ArrayList;
import java.util.List;
import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class ArticleUtils {
    public static QueryWrapper<Article> generateManageArticleWrapperByCondition(QueryWrapper<Ar
rticle> wrapper,
String c
ondition){
```

```

String[] split = condition.split("--");
for (String item : split) {
    String[] split2 = item.split("=");
    if(split2.length < 2){
        continue;
    }
    if("article_author_name".equals(split2[0])){
        wrapper.like("user_name", split2[1]);
    }else if("article_title".equals(split2[0])){
        wrapper.like("article_title", split2[1]);
    }else if("type".equals(split2[0])){
        wrapper.eq("article_type", split2[1]);
    }else if("start".equals(split2[0])){
        wrapper.gt("article_post_time", split2[1]);
    }else if("end".equals(split2[0])){
        wrapper.lt("article_post_time", split2[1]);
    }else if("rank_view".equals(split2[0])){
        if ("1".equals(split2[1])) {
            wrapper.orderByAsc("article_view_count");
        } else {
            wrapper.orderByDesc("article_view_count");
        }
    }else if("rank_like".equals(split2[0])){
        if ("1".equals(split2[1])) {
            wrapper.orderByAsc("article_like_count");
        } else {
            wrapper.orderByDesc("article_like_count");
        }
    }else if("rank_comment".equals(split2[0])){
        if ("1".equals(split2[1])) {
            wrapper.orderByAsc("article_comment_count");
        } else {
            wrapper.orderByDesc("article_comment_count");
        }
    }
}
return wrapper;
}

public static String nextLineToText(String str){
    return str.replaceAll("\n", "\\n");
}

public static String replaceSingleSlash(String str){
    return str.replaceAll("'", "\\'");
}

public static String getArticleDefaultSummary(String innerHTML){
    String rst = innerHTML.replaceAll("<.*?>", "");
    rst = rst.replaceAll("\s", " ");
    if(rst.length() >= 100){
        rst = rst.substring(0, 100) + ".....";
    }
}

```

```

        return rst;
    }

    public static String getArticleId(Integer userId, long now){
        String str = String.valueOf(userId);
        str += String.valueOf(now);
        return str;
    }

    public static String simplifyImages(String html){
        return html.replaceAll("<img src", "<img style=\"max-width:70%\" src");
    }

    public static List<String> getPicturesInArticle(String html){
        String regex = "src=\\\".*?\\\"";
        Pattern p = Pattern.compile(regex);
        Matcher matcher = p.matcher(html);
        List<String> fileNames = new ArrayList<>(16);
        while (matcher.find()){
            String fileName = matcher.group();
            fileName = fileName.substring(fileName.lastIndexOf('/') + 1, fileName.length() - 1);
            fileNames.add(fileName);
            System.out.println(fileName);
        }
        return fileNames;
    }
}

package com.jancoyan.jancoblog.utils;
import java.io.File;
import java.io.IOException;
import java.text.SimpleDateFormat;
import java.util.Date;

public class FileUtils {
    public static void deleteImageIfExists(Date date, String imageName) {
        SimpleDateFormat simpleDateFormat = new SimpleDateFormat("yyyy-MM");
        String format = simpleDateFormat.format(date);
        String path = null;
        try {
            path = new File(".").getCanonicalPath() + "\\target\\classes\\static\\p\\" +
                format + "\\" + imageName;
            File file = new File(path);
            if(file.exists()){
                file.delete();
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}

package com.jancoyan.jancoblog.utils;
import com.auth0.jwt.JWT;
import com.auth0.jwt.JWTVerifier;
import com.auth0.jwt.algorithms.Algorithm;

```

```
import java.util.Calendar;
import java.util.HashMap;
import java.util.Map;
public class JsonWebTokenUtils {
    public static final int calendarField = Calendar.DATE;
    public static final int calendarInterval = 1;
    public static String createToken(Long user_id){
        Date iatDate = new Date();
        Calendar nowTime = Calendar.getInstance();
        nowTime.add(calendarField, calendarInterval);
        Date expiresDate = nowTime.getTime();
        Map<String, Object> map = new HashMap<>();
        map.put("alg", "HS256");
        map.put("typ", "JWT");
        String token = JWT.create().withHeader(map)
            .withClaim("iss", "Service")
            .withClaim("aud", "APP")
            .withClaim("user_id", null == user_id ? null : user_id.toString())
            .withIssuedAt(iatDate)
            .withExpiresAt(expiresDate)
            .sign(Algorithm.HMAC256(SECRET));
        return token;
    }
    public static Map<String, Claim> verifyToken(String token) {
        DecodedJWT jwt = null;
        try {
            JWTVerifier verifier = JWT.require(Algorithm.HMAC256(SECRET)).build();
            jwt = verifier.verify(token);
        } catch (Exception e) {
            e.printStackTrace();
            System.out.println("Token 非法");
        }
        return jwt.getClaims();
    }
    public static Long getAppUID(String token) {
        Map<String, Claim> claims = verifyToken(token);
        Claim user_id_claim = claims.get("user_id");
        if (null == user_id_claim || "".equals(user_id_claim.asString())) {
            System.out.println("token 验证非法");
        }
        return Long.valueOf(user_id_claim.asString());
    }
}

package com.jancoyan.jancoblog.utils;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
public class MD5Util {
    public static String getMD5(String password) {
        try {
            MessageDigest digest = MessageDigest.getInstance("md5");
```

```
        byte[] result = digest.digest(password.getBytes());
        StringBuffer buffer = new StringBuffer();
        for (byte b : result) {
            int number = b & 0xff;
            String str = Integer.toHexString(number);
            if (str.length() == 1) {
                buffer.append("0");
            }
            buffer.append(str);
        }
        return buffer.toString();
    } catch (NoSuchAlgorithmException e) {
        e.printStackTrace();
        return "";
    }
}

}

package com.jancoyan.jancoblog.utils;

import lombok.Data;
import java.util.HashMap;
import java.util.Map;

@Data
public class Msg {
    private int code;
    private String msg;
    private Map<String, Object> extend = new HashMap<String, Object>();
    public static Msg expire(){
        Msg result = new Msg();
        result.setCode(601);
        result.setMsg("用户信息已过期");
        return result;
    }
    public static Msg illegalToken(){
        Msg result = new Msg();
        result.setCode(602);
        result.setMsg("登录信息无效");
        return result;
    }
    public static Msg success(){
        Msg result = new Msg();
        result.setCode(100);
        result.setMsg("成功");
        return result;
    }
    public static Msg loginNeeded(){
        Msg result = new Msg();
        result.setCode(603);
        result.setMsg("用户未登录");
        return result;
    }
}
```

```

    public static Msg fail(){
        Msg result = new Msg();
        result.setCode(200);
        result.setMsg("失败! ");
        return result;
    }
    public Msg add(String key,Object value){
        this.getExtend().put(key, value);
        return this;
    }
}

package com.jancoyan.jancoblog.utils;
    import java.text.ParseException;
    import java.text.SimpleDateFormat;
    import java.util.Date;
public class TimeUtils {
    public static String getCurrentTimeString(){
        SimpleDateFormat df = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");
        return df.format(new Date());
    }
    public static String castDateTypeToDateString(Date date){
        SimpleDateFormat simpleDateFormat = new SimpleDateFormat("yyyy-MM-dd");
        return simpleDateFormat.format(date);
    }
    public static Date castDateStringToDateTypeYMD(String dateStr){
        Date date = null;
        SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
        try {
            date = sdf.parse(dateStr);
        } catch (ParseException e) {
            e.printStackTrace();
        }
        return date;
    }
}

package com.jancoyan.jancoblog.config;
    import org.springframework.web.servlet.HandlerInterceptor;
    import org.springframework.web.servlet.ModelAndView;
    import javax.servlet.http.HttpServletRequest;
    import javax.servlet.http.HttpServletResponse;
public class AllowOriginInterceptor implements HandlerInterceptor {
    @Override
    public boolean preHandle(HttpServletRequest request, HttpServletResponse response, Object handl
er) {
        response.setHeader("Access-Control-Allow-Origin", request.getHeader("Origin"));
        response.setHeader("Access-Control-Allow-Credentials", "true");
        response.setHeader("Access-Control-Allow-Methods","GET, POST, OPTIONS, PUT");
        response.setHeader("Access-Control-Allow-Headers","Authorization, Content-Type, token");
        return true;
    }
}

```

```

    @Override
    public void postHandle(HttpServletRequest request, HttpServletResponse response, Object handler,
                           ModelAndView modelAndView) throws Exception {
    }
    @Override
    public void afterCompletion(HttpServletRequest request, HttpServletResponse response, Object handler, Exception ex)
        throws Exception {
    }
}
package com.jancoyan.jancoblog.config;
    import org.springframework.context.annotation.Configuration;
    import org.springframework.web.servlet.config.annotation.InterceptorRegistry;
    import org.springframework.web.servlet.config.annotation.WebMvcConfigurer;
@Configuration
public class MvcConfig implements WebMvcConfigurer {
    @Override
    public void addInterceptors(InterceptorRegistry registry) {
        registry.addInterceptor(new AllowOriginInterceptor());
    }
}
package com.jancoyan.jancoblog.config;
    import com.baomidou.mybatisplus.annotation.DbType;
    import com.baomidou.mybatisplus.extension.plugins.MybatisPlusInterceptor;
    import com.baomidou.mybatisplus.extension.plugins.inner.PaginationInnerInterceptor;
    import org.mybatis.spring.annotation.MapperScan;
    import org.springframework.context.annotation.Bean;
    import org.springframework.context.annotation.Configuration;
    import org.springframework.transaction.annotation.EnableTransactionManagement;
@EnableTransactionManagement
@Configuration
@MapperScan("com.jancoyan.jancoblog.mapper")
public class MybatisPlusConfig {
    @Bean
    public MybatisPlusInterceptor mybatisPlusInterceptor() {
        MybatisPlusInterceptor interceptor = new MybatisPlusInterceptor();
        interceptor.addInnerInterceptor(new PaginationInnerInterceptor(DbType.MYSQL));
        return interceptor;
    }
}
package com.jancoyan.jancoblog.config;
    import com.fasterxml.jackson.annotation.JsonAutoDetect;
    import com.fasterxml.jackson.annotation.PropertyAccessor;
    import com.fasterxml.jackson.databind.ObjectMapper;
    import org.springframework.context.annotation.Bean;
    import org.springframework.context.annotation.Configuration;
    import org.springframework.data.redis.connection.RedisConnectionFactory;
    import org.springframework.data.redis.core.RedisTemplate;
    import org.springframework.data.redis.serializer.Jackson2JsonRedisSerializer;
    import org.springframework.data.redis.serializer.StringRedisSerializer;

```

```

@Configuration
public class RedisConfig {
    @Bean
    @SuppressWarnings("all")
    public RedisTemplate<String, Object> redisTemplate(
        RedisConnectionFactory factory) {
        RedisTemplate<String, Object> template =
            new RedisTemplate<String, Object>();
        template.setConnectionFactory(factory);
        Jackson2JsonRedisSerializer jackson2JsonRedisSerializer =
            new Jackson2JsonRedisSerializer(Object.class);
        ObjectMapper om = new ObjectMapper();
        om.setVisibility(PropertyAccessor.ALL, JsonAutoDetect.Visibility.ANY);
        om.enableDefaultTyping(ObjectMapper.DefaultTyping.NON_FINAL);
        jackson2JsonRedisSerializer.setObjectMapper(om);
        StringRedisSerializer stringRedisSerializer =
            new StringRedisSerializer();
        template.setKeySerializer(stringRedisSerializer);
        template.setHashKeySerializer(stringRedisSerializer);
        template.setValueSerializer(jackson2JsonRedisSerializer);
        template.setHashValueSerializer(jackson2JsonRedisSerializer);
        template.afterPropertiesSet();
        return template;
    }
}

package com.jancoyan.jancoblog.service;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.Article;
import com.baomidou.mybatisplus.extension.service.IService;
import com.jancoyan.jancoblog.pojo.PageArticle;

public interface ArticleService extends IService<Article> {
    IPage<Article> listArticleIndex(Integer pn, Integer limit, String condition);
    IPage<Article> listArticleManage(Integer userId, Integer pn, Integer limit, String condition);
    Article getArticleSingle(String articleId);
    Article getArticleSingleDeleted(String articleId);
    IPage<Article> listDeleted(Integer userId, Integer pn, Integer limit, String condition);
    boolean deleteCompletely(String ids);
    boolean batchRecoverDeletedArticle(String ids);
    boolean batchDeleteArticle(String ids);
    IPage<PageArticle> listArticleUserRecently(String id, Integer pn, Integer limit);
    void addLikeCount(String id);
    void subLikeCount(String id);
    void addViewCount(String id);
    boolean updateIsComment(String id);
    boolean updateIsTop(String id);
    Article getArticleEdit(String id);
}

package com.jancoyan.jancoblog.service;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.Comment;

```

```

import com.baomidou.mybatisplus.extension.service.IService;
import com.jancoyan.jancoblog.pojo.PageComment;
public interface CommentService extends IService<Comment> {
    IPage<Comment> listAll(String userId, Integer pn, Integer limit, String condition);
    IPage<Comment> listCommentByArticle(String id, Integer pn, Integer limit);
    IPage<Comment> listCommentByUserPosted(String id, Integer pn, Integer limit,
                                           String condition);
    IPage<PageComment> listCommentByUserRecently(String authorId);
    void deleteCommentByArticle(String articleId);
    void recoverCommentByArticle(String ids);
    boolean batchDeleteComment(String ids);
    void likeComment(Integer id);
}
package com.jancoyan.jancoblog.service;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.LikeRecord;
import com.baomidou.mybatisplus.extension.service.IService;
public interface LikeRecordService extends IService<LikeRecord> {
    IPage<LikeRecord> getUserReceive(String userId, Integer pn, Integer limit);
    void insertRecord(Integer userId, String articleId);
    void deleteRecord(Integer userId, String articleId);
}
package com.jancoyan.jancoblog.service;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.User;
import com.baomidou.mybatisplus.extension.service.IService;
import com.jancoyan.jancoblog.pojo.UserInfo;
import com.jancoyan.jancoblog.pojo.VUserTotalData;
import java.util.List;
public interface UserService extends IService<User> {
    IPage<User> getAll(Integer pn, Integer limit, String condition);
    VUserTotalData getUserTotalData(String userId);
    UserInfo getUserInfo(Integer userId);
    User login(String username, String password);
}
package com.jancoyan.jancoblog.service.impl;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.baomidou.mybatisplus.extension.plugins.pagination.Page;
import com.jancoyan.jancoblog.pojo.Article;
import com.jancoyan.jancoblog.mapper.ArticleMapper;
import com.jancoyan.jancoblog.pojo.ArticleImage;
import com.jancoyan.jancoblog.pojo.DeletedComment;
import com.jancoyan.jancoblog.pojo.PageArticle;
import com.jancoyan.jancoblog.service.ArticleService;
import com.baomidou.mybatisplus.extension.service.impl.ServiceImpl;
import com.jancoyan.jancoblog.utils.ArticleUtils;
import com.jancoyan.jancoblog.utils.FileUtils;
import org.springframework.stereotype.Service;
import java.util.List;

```

```

@Service
public class ArticleServiceImpl extends ServiceImpl<ArticleMapper, Article> implements ArticleService {

    @Override
    public IPage<Article> listArticleIndex(Integer pn, Integer limit, String condition) {
        IPage<Article> iPage = new Page<>(pn, limit);
        QueryWrapper<Article> wrapper = new QueryWrapper<>();
        wrapper.orderByDesc("article_rank");
        wrapper = ArticleUtils.generateManageArticleWrapperByCondition(wrapper, condition);
        wrapper.orderByDesc("article_post_time");
        return baseMapper.getIndexList(iPage, wrapper);
    }

    @Override
    public IPage<Article> listArticleManage(Integer userId,
                                           Integer pn,
                                           Integer limit,
                                           String condition) {
        IPage<Article> iPage = new Page<>(pn, limit);
        QueryWrapper<Article> wrapper = new QueryWrapper<>();
        if(null != userId) {
            wrapper.eq("user_id", userId);
        }
        wrapper = ArticleUtils.generateManageArticleWrapperByCondition(wrapper, condition);
        wrapper.orderByDesc("article_post_time");
        return baseMapper.getManageList(iPage, wrapper);
    }

    @Override
    public Article getArticleSingle(String articleId) {
        return baseMapper.getSingleArticle(articleId);
    }

    @Override
    public Article getArticleSingleDeleted(String articleId) {
        return baseMapper.getSingleArticleDeleted(articleId);
    }

    @Override
    public IPage<Article> listDeleted(Integer userId,
                                      Integer pn,
                                      Integer limit,
                                      String condition) {
        IPage<Article> iPage = new Page<>(pn, limit);
        QueryWrapper<Article> wrapper = new QueryWrapper<>();
        if(null != userId) {
            wrapper.eq("user_id", userId);
        }
        wrapper = ArticleUtils.generateManageArticleWrapperByCondition(wrapper, condition);
        wrapper.orderByDesc("article_post_time");
        return baseMapper.getDeletedList(iPage, wrapper);
    }

    @Override
    public boolean deleteCompletely(String ids) {

```

```

    QueryWrapper<ArticleImage> wrapper = new QueryWrapper<>();
    ArticleImage articleImage = new ArticleImage();
    QueryWrapper<DeletedComment> deletedCommentQueryWrapper = new QueryWrapper<>();
    DeletedComment deletedComment = new DeletedComment();
    if(!ids.contains("&")){
        wrapper.eq("article_id", ids);
        deletedCommentQueryWrapper.eq("comment_article_id", ids);
        List<ArticleImage> articleImages = articleImage.selectList(wrapper);
        for (ArticleImage image : articleImages) {
            FileUtils.deleteImageIfExists(image.getInsertDate(), image.getFilename());
        }
        articleImage.delete(wrapper);
        deletedComment.delete(deletedCommentQueryWrapper);
        baseMapper.deleteCompletely(ids);
    } else {
        String[] id = ids.split("&");
        for (String item : id) {
            wrapper.eq("article_id", item);
            deletedCommentQueryWrapper.eq("comment_article_id", item);
            List<ArticleImage> articleImages = articleImage.selectList(wrapper);
            for (ArticleImage image : articleImages) {
                FileUtils.deleteImageIfExists(image.getInsertDate(), image.getFilename());
            }
            articleImage.delete(wrapper);
            deletedComment.delete(deletedCommentQueryWrapper);
            baseMapper.deleteCompletely(item);
        }
    }
    return true;
}

@Override
public boolean batchRecoverDeletedArticle(String ids) {
    if(!ids.contains("&")){
        baseMapper.batchRecover(ids);
    } else {
        String[] id = ids.split("&");
        for (String item : id) {
            baseMapper.batchRecover(item);
        }
    }
    return true;
}

@Override
public boolean batchDeleteArticle(String ids) {
    Article article = new Article();
    if(!ids.contains("&")){
        article.setArticleId(ids);
        article.deleteById();
    } else {
        String[] id = ids.split("&");

```

```
        for (String item : id) {
            article.setArticleId(item);
            article.deleteById();
        }
    }
    return true;
}

@Override
public IPage<PageArticle> listArticleUserRecently(String id, Integer pn, Integer limit) {
    IPage<PageArticle> iPage = new Page<>(pn, limit);
    QueryWrapper<PageArticle> wrapper = new QueryWrapper<>();
    wrapper.eq("article_author", id);
    wrapper.orderByDesc("article_post_time");
    return baseMapper.getArticleByUserRecently(iPage, wrapper);
}

@Override
public void addLikeCount(String id) {
    Article article = new Article();
    article.setArticleId(id);
    article = article.selectById();
    article.setArticleLikeCount(article.getArticleLikeCount() + 1);
    article.updateById();
}

@Override
public void subLikeCount(String id) {
    Article article = new Article();
    article.setArticleId(id);
    article = article.selectById();
    article.setArticleLikeCount(article.getArticleLikeCount() - 1);
    article.updateById();
}

@Override
public void addViewCount(String id) {
    Article article = new Article();
    article.setArticleId(id);
    article = article.selectById();
    article.setArticleViewCount(article.getArticleViewCount() + 1);
    article.updateById();
}

@Override
public boolean updateIsComment(String id) {
    Article article = new Article();
    article.setArticleId(id);
    article = article.selectById();
    article.setArticleIsComment(1 - article.getArticleIsComment());
    return article.updateById();
}

@Override
public boolean updateIsTop(String id) {
    Article article = new Article();
```

```

        article.setArticleId(id);
        article = article.selectById();
        article.setArticleRank(1 - article.getArticleRank());
        return article.updateById();
    }
    @Override
    public Article getArticleEdit(String id) {
        return baseMapper.getArticleEdit(id);
    }
}

<template>
<div class="cropper-content">
    <div class="cropper-box">
        <div class="cropper">
            <vue-cropper
                ref="cropper"
                :img="option.img"
                :outputSize="option.outputSize"
                :outputType="option.outputType"
                :info="option.info"
                :canScale="option.canScale"
                :autoCrop="option.autoCrop"
                :autoCropWidth="option.autoCropWidth"
                :autoCropHeight="option.autoCropHeight"
                :fixed="option.fixed"
                :fixedNumber="option.fixedNumber"
                :full="option.full"
                :fixedBox="option.fixedBox"
                :canMove="option.canMove"
                :canMoveBox="option.canMoveBox"
                :original="option.original"
                :centerBox="option.centerBox"
                :height="option.height"
                :infoTrue="option.infoTrue"
                :maxImgSize="option.maxImgSize"
                :enlarge="option.enlarge"
                :mode="option.mode"
                @realTime="realTime"
                @imgLoad="imgLoad"
            >
        </vue-cropper>
    </div>
    <!--底部操作工具按钮-->
    <div class="footer-btn">
        <div class="scope-btn">
            <label
                class="btn"
                for="uploads"
            >选择图片</label>
            <input

```

```

    type="file"
    id="uploads"
    style="position:absolute; clip:rect(0 0 0 0);"
    accept="image/png, image/jpeg, image/gif, image/jpg"
    @change="selectImg($event)"
  >
  <el-button
    size="mini"
    type="danger"
    plain
    icon="el-icon-zoom-in"
    @click="changeScale(1)"
  >放大</el-button>
  <el-button
    size="mini"
    type="danger"
    plain
    icon="el-icon-zoom-out"
    @click="changeScale(-1)"
  >缩小</el-button>
  <el-button
    size="mini"
    type="danger"
    plain
    @click="rotateLeft"
  >⌂ 左旋转</el-button>
  <el-button
    size="mini"
    type="danger"
    plain
    @click="rotateRight"
  >⌂ 右旋转</el-button>
</div>
<div class="upload-btn">
  <el-button
    size="mini"
    type="success"
    @click="uploadImg('blob')"
  >上传 <i class="el-icon-upload"></i></el-button>
</div>
</div>
<!--预览效果图-->
<div class="show-preview">
  <div
    :style="previews.div"
    class="preview"
  >
    <img
      :src="previews.url"

```

```

      :style="previews.img"
    >
  </div>
</div>
</div>
</template>
<script>
import { VueCropper } from 'vue-cropper'
import { getToken } from '@/utils/auth'
export default {
  name: 'CropperImage',
  components: {
    VueCropper,
  },
  props: ['Name'],
  data() {
    return {
      name: this.Name,
      previews: {},
      option: {
        img: '',
        outputSize: 1,
        outputType: 'png',
        info: true,
        canScale: true,
        autoCrop: true,
        autoCropWidth: 256,
        autoCropHeight: 256,
        fixed: true,
        fixedNumber: [1, 1],
        full: false,
        fixedBox: true,
        canMove: false,
        canMoveBox: true,
        original: false,
        centerBox: false,
        height: true,
        infoTrue: false,
        maxImgSize: 2000,
        enlarge: 1,
        mode: '256px 256px',
      },
    }
  },
  methods: {
    imgLoad(msg) {},
    changeScale(num) {
      num = num || 1
      this.$refs.cropper.changeScale(num)
    },
  },
}

```

```

rotateLeft() {
  this.$refs.cropper.rotateLeft()
},
rotateRight() {
  this.$refs.cropper.rotateRight()
},
realTime(data) {
  this.previews = data
},
selectImg(e) {
  let file = e.target.files[0]
  if (!/^(.jpg|jpeg|png|JPG|PNG)$/.test(e.target.value)) {
    this.$message({
      message: '图片类型要求: jpeg、jpg、png',
      type: 'error',
    })
    return false
  }
  let reader = new FileReader()
  reader.onload = (e) => {
    let data
    if (typeof e.target.result === 'object') {
      data = window.URL.createObjectURL(new Blob([e.target.result]))
    } else {
      data = e.target.result
    }
    this.option.img = data
  }
  reader.readAsDataURL(file)
},
uploadImg(type) {
  let _this = this
  if (type === 'blob') {
    this.$refs.cropper.getCropBlob(async (data) => {
      let formData = new FormData()
      formData.append('file', data, 'file.png')
      const ajax = new XMLHttpRequest()
      ajax.open('POST', 'http:
      ajax.setRequestHeader('token', getToken())
      ajax.send(formData)
      ajax.onreadystatechange = function () {
        if(ajax.readyState === 4){
          _this.$emit('uploadImgSuccess', ajax.responseText)
        }
      }
    })
  }
},
},
}

```

```
</script>
<style scoped lang="scss">
.cropper-content {
  display: flex;
  display: -webkit-flex;
  justify-content: flex-end;
  .cropper-box {
    flex: 1;
    width: 100%;
    .cropper {
      width: auto;
      height: 300px;
    }
  }
}
.show-preview {
  flex: 1;
  -webkit-flex: 1;
  display: flex;
  display: -webkit-flex;
  justify-content: center;
  .preview {
    overflow: hidden;
    border: 1px solid #67c23a;
    background: #cccccc;
  }
}
}
.footer-btn {
  margin-top: 30px;
  display: flex;
  display: -webkit-flex;
  justify-content: flex-end;
  .scope-btn {
    display: flex;
    display: -webkit-flex;
    justify-content: space-between;
    padding-right: 10px;
  }
  .upload-btn {
    flex: 1;
    -webkit-flex: 1;
    display: flex;
    display: -webkit-flex;
    justify-content: center;
  }
  .btn {
    outline: none;
    display: inline-block;
    line-height: 1;
    white-space: nowrap;
```

```

        cursor: pointer;
        -webkit-appearance: none;
        text-align: center;
        -webkit-box-sizing: border-box;
        box-sizing: border-box;
        outline: 0;
        -webkit-transition: 0.1s;
        transition: 0.1s;
        font-weight: 500;
        padding: 8px 15px;
        font-size: 12px;
        border-radius: 3px;
        color: #fff;
        background-color: #409eff;
        border-color: #409eff;
        margin-right: 10px;
    }
}
</style>
package com.jancoyan.jancoblog.service.impl;

import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.baomidou.mybatisplus.extension.plugins.pagination.Page;
import com.jancoyan.jancoblog.pojo.Article;
import com.jancoyan.jancoblog.pojo.Comment;
import com.jancoyan.jancoblog.mapper.CommentMapper;
import com.jancoyan.jancoblog.pojo.DeletedComment;
import com.jancoyan.jancoblog.pojo.PageComment;
import com.jancoyan.jancoblog.service.CommentService;
import com.baomidou.mybatisplus.extension.service.impl.ServiceImpl;
import io.lettuce.core.dynamic.annotation.CommandNaming;
import org.springframework.stereotype.Service;
import java.util.List;

@Service
public class CommentServiceImpl extends ServiceImpl<CommentMapper, Comment> implements CommentService {

    @Override
    public IPage<Comment> listAll(String userId, Integer pn, Integer limit, String condition) {
        IPage<Comment> iPage = new Page<>(pn, limit);
        QueryWrapper<Comment> wrapper = new QueryWrapper<>();
        if(userId != null) wrapper.eq("user_id", userId);
        String[] split = condition.split("--");
        for (String item : split) {
            String[] split2 = item.split("=");
            if(split2.length < 2){
                continue;
            }
            if("comment_author_name".equals(split2[0])){
                wrapper.like("comment_author_name", split2[1]);
            }else if("article_title".equals(split2[0])){

```

```

        wrapper.like("article_title", split2[1]);
    }else if("start".equals(split2[0])){
        wrapper.gt("comment_date", split2[1]);
    }else if("end".equals(split2[0])){
        wrapper.lt("comment_date", split2[1]);
    }else if("rank_like".equals(split2[0])){
        if ("1".equals(split2[1])) {
            wrapper.orderByAsc("comment_like_count");
        } else {
            wrapper.orderByDesc("comment_like_count");
        }
    }
}
}
return baseMapper.getAll(iPage, wrapper);
}

@Override
public IPage<Comment> listCommentByArticle(String id, Integer pn, Integer limit) {
    QueryWrapper<Comment> wrapper = new QueryWrapper<>();
    IPage<Comment> page = new Page<>(pn, limit);
    wrapper.eq("comment_article_id", id);
    wrapper.orderByDesc("comment_date");
    return baseMapper.getCommentByArticle(page, wrapper);
}

@Override
public IPage<Comment> listCommentByUserPosted(String id, Integer pn, Integer limit, String condition) {
    IPage<Comment> iPage = new Page<>(pn, limit);
    QueryWrapper<Comment> wrapper = new QueryWrapper<>();
    if(id != null) {
        wrapper.eq("comment_author_id", id);
    }
    String[] split = condition.split("--");
    for (String item : split) {
        String[] split2 = item.split("=");
        if(split2.length < 2){
            continue;
        }
        if("comment_author_name".equals(split2[0])){
            wrapper.like("user_id", split2[1]);
        }else if("article_title".equals(split2[0])){
            wrapper.like("article_title", split2[1]);
        }else if("start".equals(split2[0])){
            wrapper.gt("comment_date", split2[1]);
        }else if("end".equals(split2[0])){
            wrapper.lt("comment_date", split2[1]);
        }else if("rank_like".equals(split2[0])){
            if ("1".equals(split2[1])) {
                wrapper.orderByAsc("comment_like_count");
            } else {
                wrapper.orderByDesc("comment_like_count");
            }
        }
    }
}

```

```

    }
    }
    }
    return baseMapper.getCommentByUserPosted(iPage, wrapper);
}
@Override
public IPage<PageComment> listCommentByUserRecently(String authorId) {
    IPage<PageComment> iPage = new Page<>(1, 10);
    QueryWrapper<PageComment> wrapper = new QueryWrapper<>();
    wrapper.eq("article_author", authorId);
    wrapper.orderByDesc("comment_date");
    return baseMapper.getCommentByUserRecently(iPage, wrapper);
}
@Override
public void deleteCommentByArticle(String ids) {
    QueryWrapper<Comment> wrapper = new QueryWrapper<>();
    Comment comment = new Comment();
    Article article = new Article();
    if(!ids.contains("&")){
        wrapper.eq("comment_article_id", ids);
        List<Comment> list = comment.selectList(wrapper);
        if(!list.isEmpty()){
            for (Comment item : list){
                baseMapper.deleteComment(item.getCommentId());
            }
        }
    } else {
        String[] id = ids.split("&");
        for (String articleId : id) {
            wrapper.eq("comment_article_id", articleId);
            List<Comment> list = comment.selectList(wrapper);
            if(!list.isEmpty()){
                for (Comment item : list){
                    baseMapper.deleteComment(item.getCommentId());
                }
            }
        }
    }
}
@Override
public void recoverCommentByArticle(String ids) {
    QueryWrapper<DeletedComment> wrapper = new QueryWrapper<>();
    DeletedComment comment = new DeletedComment();
    if(!ids.contains("&")){
        wrapper.eq("comment_article_id", ids);
        List<DeletedComment> list = comment.selectList(wrapper);
        if(!list.isEmpty()){
            for (DeletedComment item : list){
                baseMapper.recoverComment(item.getCommentId());
            }
        }
    }
}

```

```

        }
    } else {
        String[] id = ids.split("&");
        for (String article : id) {
            wrapper.eq("comment_article_id", article);
            List<DeletedComment> list = comment.selectList(wrapper);
            if(!list.isEmpty()){
                for (DeletedComment item : list){
                    baseMapper.recoverComment(item.getCommentId());
                }
            }
        }
    }
}

@Override
public boolean batchDeleteComment(String ids) {
    Comment comment = new Comment();
    boolean suc = false;
    if(!ids.contains("&")){
        comment.setCommentId(Integer.parseInt(ids));
        suc = comment.deleteById();
    } else {
        String[] id = ids.split("&");
        for (String item : id) {
            comment.setCommentId(Integer.parseInt(item));
            suc = comment.deleteById();
        }
    }
    return suc;
}

@Override
public void likeComment(Integer id) {
    Comment comment = new Comment();
    comment.setCommentId(id);
    comment = comment.selectById();
    comment.setCommentLikeCount(comment.getCommentLikeCount() + 1);
    comment.updateById();
}
}

package com.jancoyan.jancoblog.service.impl;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.baomidou.mybatisplus.extension.plugins.pagination.Page;
import com.jancoyan.jancoblog.pojo.Comment;
import com.jancoyan.jancoblog.pojo.DeletedComment;
import com.jancoyan.jancoblog.mapper.DeletedCommentMapper;
import com.jancoyan.jancoblog.service.DeletedCommentService;
import com.baomidou.mybatisplus.extension.service.impl.ServiceImpl;
import org.springframework.stereotype.Service;

@Service

```

```

public class DeletedCommentServiceImpl extends ServiceImpl<DeletedCommentMapper, DeletedComm
ent> implements DeletedCommentService {
    @Override
    public IPage<DeletedComment> getCommentByArticle(String id, Integer pn, Integer limit) {
        QueryWrapper<DeletedComment> wrapper = new QueryWrapper<>();
        IPage<DeletedComment> page = new Page<>(pn, limit);
        wrapper.eq("comment_article_id", id);
        wrapper.orderByDesc("comment_date");
        return baseMapper.getCommentByArticle(page, wrapper);
    }
}

package com.jancoyan.jancoblog.service.impl;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.baomidou.mybatisplus.extension.plugins.pagination.Page;
import com.jancoyan.jancoblog.pojo.LikeRecord;
import com.jancoyan.jancoblog.mapper.LikeRecordMapper;
import com.jancoyan.jancoblog.service.LikeRecordService;
import com.baomidou.mybatisplus.extension.service.impl.ServiceImpl;
import org.springframework.stereotype.Service;
import java.util.Date;

@Service
public class LikeRecordServiceImpl extends ServiceImpl<LikeRecordMapper, LikeRecord> implements
LikeRecordService {
    @Override
    public IPage<LikeRecord> getUserReceive(String userId, Integer pn, Integer limit) {
        IPage<LikeRecord> iPage = new Page<>(pn, limit);
        QueryWrapper<LikeRecord> wrapper = new QueryWrapper<>();
        wrapper.eq("article_author", userId);
        wrapper.orderByDesc("like_date");
        return baseMapper.getUserReceive(iPage, wrapper, userId);
    }
    @Override
    public void insertRecord(Integer userId, String articleId) {
        LikeRecord record = new LikeRecord();
        record.setAuthorId(userId);
        record.setLikeDate(new Date());
        record.setArticleId(articleId);
        record.insert();
    }
    @Override
    public void deleteRecord(Integer userId, String articleId) {
        LikeRecord record = new LikeRecord();
        QueryWrapper<LikeRecord> wrapper = new QueryWrapper<>();
        wrapper.eq("article_id", articleId);
        wrapper.eq("author_id", userId);
        record.delete(wrapper);
    }
}

package com.jancoyan.jancoblog.service.impl;

```

```

import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
@Service
public class UserServiceImpl extends ServiceImpl<UserMapper, User> implements UserService {
    @Override
    public IPage<User> getAll(Integer pn, Integer limit, String condition) {
        IPage<User> iPage = new Page<>(pn, limit);
        QueryWrapper<User> wrapper = new QueryWrapper<>();
        String[] split = condition.split("--");
        for (String item : split) {
            String[] split2 = item.split("=");
            if(split2.length < 2){
                continue;
            }
            if("user_name".equals(split2[0])){
                wrapper.like("user_name", split2[1]);
            }else if("start".equals(split2[0])){
                wrapper.gt("user_create_date", split2[1]);
            }else if("end".equals(split2[0])){
                wrapper.lt("user_create_date", split2[1]);
            }
        }
        return baseMapper.getAll(iPage, wrapper);
    }
    @Override
    public VUserTotalData getUserTotalData(String userId) {
        return baseMapper.getUserTotalData(userId);
    }
    @Override
    public UserInfo getUserInfo(Integer userId) {
        return baseMapper.getUserInfo(userId);
    }
    @Override
    public User login(String username, String password) {
        password = MD5Util.getMD5(password);
        return baseMapper.login(username, password);
    }
}

package com.jancoyan.jancoblog.mapper;
public interface ArticleMapper extends BaseMapper<Article> {
    IPage<Article> getIndexList(IPage<Article> iPage, Wrapper ew);
    IPage<Article> getManageList(IPage<Article> iPage, Wrapper ew);
    Article getSingleArticle(String id);
    IPage<Article> getDeletedList(IPage<Article> iPage, Wrapper ew);
    void deleteCompletely(String articleId);
    void batchRecover(String articleId);
    IPage<PageArticle> getArticleByUserRecently(IPage<PageArticle> iPage, Wrapper ew);
    Article getSingleArticleDeleted(String id);
    Article getArticleEdit(String id);
}

package com.jancoyan.jancoblog.mapper;
```

```

import com.baomidou.mybatisplus.core.conditions Wrapper;
import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.Comment;
import com.baomidou.mybatisplus.core.mapper.BaseMapper;
import com.jancoyan.jancoblog.pojo.PageComment;
public interface CommentMapper extends BaseMapper<Comment> {
    IPage<Comment> getAll(IPage<Comment> iPage, Wrapper ew);
    IPage<Comment> getCommentByArticle(IPage<Comment> page, QueryWrapper<Comment> ew);
    IPage<Comment> getCommentByUserPosted(IPage<Comment> iPage, Wrapper ew);
    IPage<PageComment> getCommentByUserRecently(IPage<PageComment> iPage, Wrapper ew);
    void deleteComment(Integer commentId);
    void recoverComment(Integer commentId);
}
package com.jancoyan.jancoblog.mapper;
    import com.baomidou.mybatisplus.core.conditions Wrapper;
    import com.baomidou.mybatisplus.core.metadata.IPage;
    import com.jancoyan.jancoblog.pojo.User;
    import com.baomidou.mybatisplus.core.mapper.BaseMapper;
    import com.jancoyan.jancoblog.pojo.UserInfo;
    import com.jancoyan.jancoblog.pojo.VUserTotalData;
    import java.util.List;
public interface UserMapper extends BaseMapper<User> {
    IPage<User> getAll(IPage<User> iPage, Wrapper ew);
    VUserTotalData getUserTotalData(String userId);
    UserInfo getUserInfo(Integer userId);
    User login(String username, String password);
}
package com.jancoyan.jancoblog.utils;
    import javax.imageio.ImageIO;
    import javax.servlet.http.HttpServletRequest;
    import javax.servlet.http.HttpServletResponse;
    import javax.servlet.http.HttpSession;
    import java.awt.*;
    import java.awt.image.BufferedImage;
    import java.util.Random;
public class VerifyCodeUtil {
    public static final String RANDOMCODEKEY= "RANDOMVALIDATECODEKEY";
    private String randString = "0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ";
    private int width = 160;
    private int height = 40;
    private int lineSize = 40;
    private int stringNum = 4;
    private Random random = new Random();
    private Font getFont() {
        return new Font("Fixedsys", Font.CENTER_BASELINE, 28);
    }
    private Color getRandColor(int fc, int bc) {
        if (fc > 255)
            fc = 255;

```

```

        if (bc > 255)
            bc = 255;
        int r = fc + random.nextInt(bc - fc - 16);
        int g = fc + random.nextInt(bc - fc - 14);
        int b = fc + random.nextInt(bc - fc - 18);
        return new Color(r, g, b);
    }

    public String getRandcode(HttpServletRequest request, HttpServletResponse response) {
        HttpSession session = request.getSession();
        BufferedImage image = new BufferedImage(width, height, BufferedImage.TYPE_INT_BGR);
        Graphics g = image.getGraphics();
        g.fillRect(0, 0, width, height);
        g.setFont(new Font("Times New Roman", Font.ROMAN_BASELINE, 18));
        g.setColor(getRandColor(110, 133));
        for (int i = 0; i <= lineSize; i++) {
            drawLine(g);
        }
        String randomString = "";
        for (int i = 1; i <= stringNum; i++) {
            randomString = drawString(g, randomString, i);
        }
        session.removeAttribute(RANDOMCODEKEY);
        session.setAttribute(RANDOMCODEKEY, randomString);
        g.dispose();
        try {
            ImageIO.write(image, "JPEG", response.getOutputStream());
        } catch (Exception e) {
            e.printStackTrace();
        }
        return randomString;
    }

    private String drawString(Graphics g, String randomString, int i) {
        g.setFont(getFont());
        g.setColor(new Color(random.nextInt(101), random.nextInt(111), random
            .nextInt(121)));
        String rand = String.valueOf(getRandomString(random.nextInt(randString
            .length())));
        randomString += rand;
        g.translate(random.nextInt(3), random.nextInt(3));
        g.drawString(rand, 30 * i, 21);
        return randomString;
    }

    private void drawLine(Graphics g) {
        int x = random.nextInt(width);
        int y = random.nextInt(height);
        int xl = random.nextInt(13);
        int yl = random.nextInt(15);
        g.drawLine(x, y, x + xl, y + yl);
    }

    public String getRandomString(int num) {

```

```
        return String.valueOf(randString.charAt(num));
    }
}

package com.jancoyan.jancoblog.utils;
import eu.bitwalker.useragentutils.Browser;
import eu.bitwalker.useragentutils.OperatingSystem;
import eu.bitwalker.useragentutils.UserAgent;
import org.apache.commons.lang3.StringUtils;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import javax.servlet.http.HttpServletRequest;

public class UserAgentUtils {
    private static Logger logger = LoggerFactory.getLogger(UserAgentUtils.class);
    public static String getUserAgent(HttpServletRequest request) {
        String userAgent=request.getHeader("User-Agent");
        return userAgent;
    }
    public static String getOsVersion(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getOsVersion(userAgent);
    }
    public static String getOsVersion(String userAgent) {
        String osVersion = "";
        if(StringUtils.isBlank(userAgent))
            return osVersion;
        String[] strArr = userAgent.substring(userAgent.indexOf("(")+1,
            userAgent.indexOf(")")).split(";");
        if(null == strArr || strArr.length == 0)
            return osVersion;
        osVersion = strArr[1];
        logger.info("osVersion is:{", osVersion);
        return osVersion;
    }
    private static OperatingSystem getOperatingSystem(String userAgent) {
        UserAgent agent = UserAgent.parseUserAgentString(userAgent);
        OperatingSystem operatingSystem = agent.getOperatingSystem();
        return operatingSystem;
    }
    public static String getOs(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getOs(userAgent);
    }
    public static String getOs(String userAgent) {
        OperatingSystem operatingSystem = getOperatingSystem(userAgent);
        String os = operatingSystem.getGroup().getName();
        logger.info("os is:{", os);
        return os;
    }
    public static String getDevicetype(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
```

```
        return getDevicetype(userAgent);
    }
    public static String getDevicetype(String userAgent) {
        OperatingSystem operatingSystem = getOperatingSystem(userAgent);
        String deviceType = operatingSystem.getDeviceType().toString();
        logger.info("deviceType is:{ }", deviceType);
        return deviceType;
    }
    public static String getOsName(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getOsName(userAgent);
    }
    public static String getOsName(String userAgent) {
        OperatingSystem operatingSystem = getOperatingSystem(userAgent);
        String osName = operatingSystem.getName();
        logger.info("osName is:{ }", osName);
        return osName;
    }
    public static String getDeviceManufacturer(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getDeviceManufacturer(userAgent);
    }
    public static String getDeviceManufacturer(String userAgent) {
        OperatingSystem operatingSystem = getOperatingSystem(userAgent);
        String deviceManufacturer = operatingSystem.getManufacturer().toString();
        logger.info("deviceManufacturer is:{ }", deviceManufacturer);
        return deviceManufacturer;
    }
    public static Browser getBrowser(String agent) {
        UserAgent userAgent = UserAgent.parseUserAgentString(agent);
        Browser browser = userAgent.getBrowser();
        return browser;
    }
    public static String getBorderName(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBorderName(userAgent);
    }
    public static String getBorderName(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String borderName = browser.getName();
        logger.info("borderName is:{ }", borderName);
        return borderName;
    }
    public static String getBorderType(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBorderType(userAgent);
    }
    public static String getBorderType(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String borderType = browser.getBrowserType().getName();
```

```

        logger.info("borderType is:{", borderType);
        return borderType;
    }
    public static String getBorderGroup(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBorderGroup(userAgent);
    }
    public static String getBorderGroup(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String browserGroup = browser.getGroup().getName();
        logger.info("browserGroup is:{", browserGroup);
        return browserGroup;
    }
    public static String getBrowserManufacturer(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBrowserManufacturer(userAgent);
    }
    public static String getBrowserManufacturer(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String browserManufacturer = browser.getManufacturer().getName();
        logger.info("browserManufacturer is:{", browserManufacturer);
        return browserManufacturer;
    }
    public static String getBorderRenderingEngine(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBorderRenderingEngine(userAgent);
    }
    public static String getBorderRenderingEngine(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String renderingEngine = browser.getRenderingEngine().name();
        logger.info("renderingEngine is:{", renderingEngine);
        return renderingEngine;
    }
    public static String getBrowserVersion(HttpServletRequest request) {
        String userAgent = getUserAgent(request);
        return getBrowserVersion(userAgent);
    }
    public static String getBrowserVersion(String userAgent) {
        Browser browser = getBrowser(userAgent);
        String borderVersion = browser.getVersion( userAgent).toString();
        return borderVersion;
    }
}

package com.jancoyan.jancoblog.utils;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.data.redis.core.RedisTemplate;
import org.springframework.stereotype.Component;
import org.springframework.util.CollectionUtils;
import java.util.Collection;
import java.util.List;

```

```
import java.util.Map;
import java.util.Set;
import java.util.concurrent.TimeUnit;
@Component
public class RedisUtil {
    @Autowired
    private RedisTemplate<String, Object> redisTemplate;
    public boolean expire(String key, long time) {
        try {
            if (time > 0) {
                redisTemplate.expire(key, time, TimeUnit.SECONDS);
            }
            return true;
        } catch (Exception e) {
            e.printStackTrace();
            return false;
        }
    }
    public long getExpire(String key) {
        return redisTemplate.getExpire(key, TimeUnit.SECONDS);
    }
    public boolean hasKey(String key) {
        try {
            return redisTemplate.hasKey(key);
        } catch (Exception e) {
            e.printStackTrace();
            return false;
        }
    }
    @SuppressWarnings("unchecked")
    public void del(String... key) {
        if (key != null && key.length > 0) {
            if (key.length == 1) {
                redisTemplate.delete(key[0]);
            } else {
                redisTemplate.delete((Collection<String>) CollectionUtils.arrayToList(key));
            }
        }
    }
    public Object get(String key) {
        return key == null ? null : redisTemplate.opsForValue().get(key);
    }
    public boolean set(String key, Object value) {
        try {
            redisTemplate.opsForValue().set(key, value);
            return true;
        } catch (Exception e) {
            e.printStackTrace();
            return false;
        }
    }
}
```

```
}  
public boolean set(String key, Object value, long time) {  
    try {  
        if (time > 0) {  
            redisTemplate.opsForValue().set(key, value, time,  
                TimeUnit.SECONDS);  
        } else {  
            set(key, value);  
        }  
        return true;  
    } catch (Exception e) {  
        e.printStackTrace();  
        return false;  
    }  
}  
  
public long incr(String key, long delta) {  
    if (delta < 0) {  
        throw new RuntimeException("递增因子必须大于 0");  
    }  
    return redisTemplate.opsForValue().increment(key, delta);  
}  
  
public long decr(String key, long delta) {  
    if (delta < 0) {  
        throw new RuntimeException("递减因子必须大于 0");  
    }  
    return redisTemplate.opsForValue().increment(key, -delta);  
}  
  
public Object hget(String key, String item) {  
    return redisTemplate.opsForHash().get(key, item);  
}  
  
public Map<Object, Object> hmget(String key) {  
    return redisTemplate.opsForHash().entries(key);  
}  
  
public boolean hmset(String key, Map<String, Object> map) {  
    try {  
        redisTemplate.opsForHash().putAll(key, map);  
        return true;  
    } catch (Exception e) {  
        e.printStackTrace();  
        return false;  
    }  
}  
  
public boolean hmset(String key, Map<String, Object> map, long time) {  
    try {  
        redisTemplate.opsForHash().putAll(key, map);  
        if (time > 0) {  
            expire(key, time);  
        }  
        return true;  
    } catch (Exception e) {
```

```
        e.printStackTrace();
        return false;
    }
}

public boolean hset(String key, String item, Object value) {
    try {
        redisTemplate.opsForHash().put(key, item, value);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public boolean hset(String key, String item, Object value, long time) {
    try {
        redisTemplate.opsForHash().put(key, item, value);
        if (time > 0) {
            expire(key, time);
        }
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public void hdel(String key, Object... item) {
    redisTemplate.opsForHash().delete(key, item);
}

public boolean hHasKey(String key, String item) {
    return redisTemplate.opsForHash().hasKey(key, item);
}

public double hincr(String key, String item, double by) {
    return redisTemplate.opsForHash().increment(key, item, by);
}

public double hdecr(String key, String item, double by) {
    return redisTemplate.opsForHash().increment(key, item, -by);
}

public Set<Object> sGet(String key) {
    try {
        return redisTemplate.opsForSet().members(key);
    } catch (Exception e) {
        e.printStackTrace();
        return null;
    }
}

public boolean sHasKey(String key, Object value) {
    try {
        return redisTemplate.opsForSet().isMember(key, value);
    } catch (Exception e) {
        e.printStackTrace();
    }
}
```

```
        return false;
    }
}

public long sSet(String key, Object... values) {
    try {
        return redisTemplate.opsForSet().add(key, values);
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

public long sSetAndTime(String key, long time, Object... values) {
    try {
        Long count = redisTemplate.opsForSet().add(key, values);
        if (time > 0)
            expire(key, time);
        return count;
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

public long sGetSetSize(String key) {
    try {
        return redisTemplate.opsForSet().size(key);
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

public long setRemove(String key, Object... values) {
    try {
        Long count = redisTemplate.opsForSet().remove(key, values);
        return count;
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

public List<Object> lGet(String key, long start, long end) {
    try {
        return redisTemplate.opsForList().range(key, start, end);
    } catch (Exception e) {
        e.printStackTrace();
        return null;
    }
}

public long lGetListSize(String key) {
    try {
        return redisTemplate.opsForList().size(key);
    }
```

```
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}

public Object lGetIndex(String key, long index) {
    try {
        return redisTemplate.opsForList().index(key, index);
    } catch (Exception e) {
        e.printStackTrace();
        return null;
    }
}

public boolean lSet(String key, Object value) {
    try {
        redisTemplate.opsForList().rightPush(key, value);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public boolean lSet(String key, Object value, long time) {
    try {
        redisTemplate.opsForList().rightPush(key, value);
        if (time > 0)
            expire(key, time);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public boolean lSet(String key, List<Object> value) {
    try {
        redisTemplate.opsForList().rightPushAll(key, value);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public boolean lSet(String key, List<Object> value, long time) {
    try {
        redisTemplate.opsForList().rightPushAll(key, value);
        if (time > 0)
            expire(key, time);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
    }
}
```

```
        return false;
    }
}

public boolean IUpdateIndex(String key, long index, Object value) {
    try {
        redisTemplate.opsForList().set(key, index, value);
        return true;
    } catch (Exception e) {
        e.printStackTrace();
        return false;
    }
}

public long IRemove(String key, long count, Object value) {
    try {
        Long remove = redisTemplate.opsForList().remove(key, count,
            value);
        return remove;
    } catch (Exception e) {
        e.printStackTrace();
        return 0;
    }
}
}

package com.jancoyan.jancoblog.controller;

import com.baomidou.mybatisplus.core.conditions.query.QueryWrapper;
import com.baomidou.mybatisplus.core.metadata.IPage;
import com.jancoyan.jancoblog.pojo.User;
import com.jancoyan.jancoblog.pojo.UserInfo;
import com.jancoyan.jancoblog.pojo.UserLogin;
import com.jancoyan.jancoblog.pojo.VUserTotalData;
import com.jancoyan.jancoblog.service.UserService;
import com.jancoyan.jancoblog.utils.*;
import io.lettuce.core.output.ScanOutput;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import org.springframework.web.bind.annotation.RestController;
import org.springframework.web.multipart.MultipartFile;
import javax.imageio.ImageIO;
import javax.servlet.http.Cookie;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import java.awt.*;
import java.awt.image.BufferedImage;
import java.io.File;
import java.io.IOException;
import java.io.OutputStream;
import java.util.Date;
```

```

import java.util.Locale;
import java.util.Objects;
import java.util.UUID;
@RestController
@RequestMapping("/user")
public class UserController {
    @Autowired
    UserService service;
    @Autowired
    RedisUtil redisUtil;
    @RequestMapping(value = "/login", method = RequestMethod.POST)
    public Msg login(
        @RequestParam(value = "username") String username,
        @RequestParam(value = "password") String password,
        HttpServletRequest request
    ){
        String token = null;
        User user = service.login(username, password);
        if(null != user){
            token = JsonWebTokenUtils.createToken(user.getId().longValue());
            redisUtil.set(token, user, 30 * 60);
            user.setUserLastLoginDate(new Date());
            user.updateById();
        } else {
            return Msg.fail().add("msg", "登录失败");
        }
        UserLogin log = new UserLogin();
        String userAgent = request.getHeader("User-Agent");
        log.setLoginUser(user.getId());
        log.setLoginDate(new Date());
        log.setLoginAddress(NetworkUtils.queryAddressByIp(request.getRemoteAddr()));
        log.setLoginIp(request.getRemoteAddr());
        log.setUserAgent(userAgent);
        log.setBrowserName(UserAgentUtils.getBrowserName(userAgent));
        log.setBrowserVersion(UserAgentUtils.getBrowserVersion(userAgent));
        log.setOsName(UserAgentUtils.getOsName(userAgent));
        log.setOsVersion(UserAgentUtils.getOsVersion(userAgent));
        if(null != token){
            log.insert();
            return Msg.success().add("token", token);
        }
        return Msg.fail();
    }
    @RequestMapping(value = "/data/total", method = RequestMethod.GET)
    public Msg getUserTotalData(
        @RequestParam(value = "id", defaultValue = "-1")String userId,
        HttpServletRequest request
    ){
        if("-1".equals(userId)){
            String token = request.getHeader("token");

```

```

        if(null == token) {
            return Msg.fail();
        }
        User user = (User)redisUtil.get(token);
        userId = String.valueOf(user.getUserId());
    }
    VUserTotalData data = service.getUserTotalData(userId);
    if (null != data){
        return Msg.success().add("data", data);
    } else {
        return Msg.fail().add("msg", "找不到用户");
    }
}

@RequestMapping(value = "/userinfo", method = RequestMethod.GET)
public Msg getUserInfo(HttpServletRequest request){
    String token = request.getHeader("token");
    User user = (User)redisUtil.get(token);
    if(null != user){
        return Msg.success().add("user", user);
    }
    return Msg.fail().add("msg", "找不到用户");
}

@RequestMapping(value = "/userdetail", method = RequestMethod.GET)
public Msg getUserDetailInfo(
    HttpServletRequest request
){
    String token = request.getHeader("token");
    User user = (User)redisUtil.get(token);
    if(null == user){
        return Msg.expire().add("msg", "用户已过期");
    }
    UserInfo info = service.getUserInfo(user.getUserId());
    if(null != info){
        return Msg.success().add("info", info);
    } else {
        return Msg.fail();
    }
}

@RequestMapping(value = "/authorinfo", method = RequestMethod.GET)
public Msg getAuthorInfo(
    @RequestParam(value = "id")String userId
){
    VUserTotalData data = service.getUserTotalData(userId);
    if(null != data) {
        return Msg.success().add("data", data);
    } else {
        return Msg.fail().add("msg", "获取数据失败");
    }
}

@RequestMapping(value = "/register", method = RequestMethod.POST)

```

```

public Msg register(
    @RequestParam(value = "username") String userName,
    @RequestParam(value = "password") String password,
    @RequestParam(value = "code") String code,
    HttpServletRequest request
){
    String verify = (String) request.getSession().getAttribute(VerifyCodeUtil.RANDOMCODEKEY);
    if(!verify.toLowerCase(Locale.ROOT).equals(code.toLowerCase(Locale.ROOT))){
        return Msg.fail().add("msg", "验证码输入错误");
    }
    User user = new User();
    user.setUserName(userName)
        .setUserLastLoginDate(null)
        .setUserId(null)
        .setUserSignature("Hello World")
        .setUserPassword(MD5Util.getMD5(password))
        .setUserRole(2)
        .setUserCreateDate(new Date())
        .setUserIp(request.getRemoteAddr());
    boolean insert = user.insert();
    if(!insert){
        return Msg.fail().add("msg", "用户注册失败");
    }
    return Msg.success().add("success", insert);
}
@RequestMapping(value = "/checkusername", method = RequestMethod.POST)
public Msg checkUserNameUnique(
    @RequestParam(value = "username") String userName
){
    User user = new User();
    QueryWrapper<User> queryWrapper = new QueryWrapper<>();
    queryWrapper.eq("user_name", userName);
    int count = user.selectCount(queryWrapper);
    return Msg.success().add("unique", count == 0);
}
@RequestMapping(value = "/all", method = RequestMethod.GET)
public Msg getAllUser(
    @RequestParam(value = "pn")String pn,
    @RequestParam(value = "limit", defaultValue = "10")String limit,
    @RequestParam(value = "condition", defaultValue = "")String condition
){
    IPage<User> iPage = service.getAll(Integer.parseInt(pn),
        Integer.parseInt(limit),
        condition);
    return Msg.success().add("pageInfo", iPage);
}
@RequestMapping(value = "/delete", method = RequestMethod.POST)
public Msg batchDelete(
    @RequestParam(value = "ids") String ids

```

```

    ){
        User user = new User();
        boolean suc = false;
        if(!ids.contains("&")){
            user.setUserId(Integer.parseInt(ids));
            suc = user.deleteById();
        } else {
            String[] id = ids.split("&");
            for (String item : id) {
                user.setUserId(Integer.parseInt(item));
                suc = user.deleteById();
            }
        }
        return Msg.success().add("suc", suc ? "success" : "fail");
    }
}

@RequestMapping(value = "/upload/avatar", method = RequestMethod.POST)
public Msg uploadAvatar(
    @RequestParam(value = "file") MultipartFile file,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if (null == token){
        return Msg.fail();
    }
    User user = (User) redisUtil.get(token);
    if (null == user){
        return Msg.expire();
    }
    if (null == file) {
        return Msg.fail().add("msg", "请选择要上传的图片");
    }
    if (file.getSize() > 1024 * 1024 * 10) {
        return Msg.fail().add("msg", "文件大小不能大于 10M");
    }
    String suffix = Objects.requireNonNull(file.getOriginalFilename()).substring(file.getOriginalFilename().lastIndexOf(".") + 1);
    if (!"jpg,jpeg,gif,png".toUpperCase().contains(suffix.toUpperCase())) {
        return Msg.fail().add("msg", "请选择 jpg,jpeg,gif,png 格式的图片");
    }
    String savePath = null;
    try {
        savePath = new File(".").getCanonicalPath() + "\\target\\classes\\static\\avatar\\";
    } catch (IOException e) {
        e.printStackTrace();
    }
    File savePathFile = new File(savePath);
    if (!savePathFile.exists()) {
        savePathFile.mkdirs();
    }
    String filename = user.getUserId() + "." + suffix;

```

```

        File oldFile = new File(savePath + filename);
        if(oldFile.exists()){
            oldFile.delete();
        }
        try {
            file.transferTo(new File(savePath + filename));
        } catch (Exception e) {
            e.printStackTrace();
            return Msg.fail().add("msg", "保存文件异常");
        }
        return Msg.success().add("suc", true);
    }
}

@RequestMapping(value = "/changePwd", method = RequestMethod.POST)
public Msg changePassword(
    @RequestParam(value = "id", defaultValue = "-1") String userId,
    @RequestParam(value = "old") String oldPassword,
    @RequestParam(value = "new") String newPassword,
    HttpServletRequest request
){
    boolean suc = false;
    if("-1".equals(userId)){
        String token = request.getHeader("token");
        if(null == token) {
            return Msg.fail();
        }
        User user = (User) redisUtil.get(token);
        if(user.getUserPassword().equals(MD5Util.getMD5(oldPassword))){
            user.setUserPassword(MD5Util.getMD5(newPassword));
            suc = user.updateById();
            return Msg.success().add("suc", suc);
        } else {
            return Msg.success().add("suc", suc);
        }
    }
    User user = new User();
    user.setUserId(Integer.parseInt(userId));
    user.setUserPassword(MD5Util.getMD5(newPassword));
    suc = user.updateById();
    return Msg.success().add("suc", suc);
}

@RequestMapping(value = "/info/update", method = RequestMethod.POST)
public Msg updateUserInfo(
    @RequestParam(value = "user")String userInfo,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.fail().add("msg", "用户未登录");
    }
    User user = new User();

```

```
user = (User) redisUtil.get(token);
if(null == user){
    return Msg.expire();
}
UserInfo info = new UserInfo();
userInfo = userInfo.substring(1, userInfo.length() - 1);
String[] kvs = userInfo.split(",");
for (String kv: kvs) {
    String[] nameAndValue = kv.split(":");
    String name = nameAndValue[0].substring(1, nameAndValue[0].length() - 1);
    String value = nameAndValue[1];
    if(!("null".equals(value)) && (!"".equals(value))){
        if("userId".equals(name)){
            info.setUserId(Integer.parseInt(value));
            continue;
        }
        if("userEmail".equals(name)){
            info.setUserEmail(value.substring(1, value.length() - 1));
            continue;
        }
        if("userSex".equals(name)){
            if("\1".equals(value)){
                info.setUserSex(1);
            } else if("\0".equals(value)){
                info.setUserSex(0);
            }
            continue;
        }
        if("userRegion".equals(name)){
            info.setUserRegion(value.substring(1, value.length() - 1));
            continue;
        }
        if("userBirthdate".equals(name)){
            info.setUserBirthdate(TimeUtils.castDateToStringToDateTypeYMD(
                value.substring(1, 11)));
            continue;
        }
        if("userTelephone".equals(name)){
            info.setUserTelephone(value.substring(1, value.length() - 1));
            continue;
        }
        if("userRealName".equals(name)){
            info.setUserRealName(value.substring(1, value.length() - 1));
            continue;
        }
        if("userSchool".equals(name)){
            info.setUserSchool(value.substring(1, value.length() - 1));
            continue;
        }
        if("userMajor".equals(name)){
```

```

        info.setUserMajor(value.substring(1, value.length() - 1));
        continue;
    }
    if("userEnterSchoolDate".equals(name)) {
        info.setUserEnterSchoolDate(TimeUtils.castDateToStringToDateTypeYMD(
            value.substring(1, 11)));
        continue;
    }
    if("userAcademicDegree".equals(name)){
        info.setUserAcademicDegree(value.substring(1, value.length() - 1));
        continue;
    }
    if("userCompany".equals(name)){
        info.setUserCompany(value.substring(1, value.length() - 1));
        continue;
    }
    if("userPosition".equals(name)){
        info.setUserPosition(value.substring(1, value.length() - 1));
        continue;
    }
    if("userField".equals(name)){
        info.setUserField(value.substring(1, value.length() - 1));
    }
}
}
boolean suc = info.updateById();
return Msg.success().add("suc", suc);
}
@RequestMapping(value = "/info/user", method = RequestMethod.POST)
public Msg updateUser(
    @RequestParam(value = "username") String username,
    @RequestParam(value = "signature") String signature,
    HttpServletRequest request
){
    String token = request.getHeader("token");
    if(null == token){
        return Msg.fail().add("msg", "用户未登录");
    }
    User user = new User();
    user = (User) redisUtil.get(token);
    if(null == user){
        return Msg.expire();
    }
    user.setUserSignature(signature);
    user.setUserName(username);
    boolean suc = user.updateById();
    if(suc){
        redisUtil.set(token, user, 20 * 60);
    }
    return Msg.success().add("suc", suc);
}

```

```
}
@RequestMapping(value = "/getverifycode", method = RequestMethod.GET)
public void generateValidationCode(
    HttpServletRequest request,
    HttpServletResponse response,
    HttpSession session
){
    try {
        response.setContentType("image/jpeg");
        response.setHeader("Pragma", "No-cache");
        response.setHeader("Cache-Control", "no-cache");
        response.setDateHeader("Expires", 0);
        VerifyCodeUtil verifyCodeUtil = new VerifyCodeUtil();
        verifyCodeUtil.getRandcode(request, response);
    } catch (Exception e) {
        e.printStackTrace();
    }
}

@RequestMapping(value = "/add", method = RequestMethod.POST)
public Msg addUser(
    @RequestParam("username") String userName,
    @RequestParam("password") String password,
    HttpServletRequest request
){
    User user = new User();
    user.setUserName(userName)
        .setUserLastLoginDate(null)
        .setUserId(null)
        .setUserSignature("Hello World")
        .setUserPassword(MD5Util.getMD5(password))
        .setUserRole(2)
        .setUserCreateDate(new Date())
        .setUserIp(request.getRemoteAddr());
    boolean insert = user.insert();
    if(!insert){
        return Msg.fail().add("msg", "用户注册失败");
    }
    return Msg.success().add("success", insert);
}

@RequestMapping(value = "/logout", method = RequestMethod.POST)
public Msg logout(HttpServletRequest request){
    String token = request.getHeader("token");
    if(null == token || "".equals(token)){
        return Msg.fail();
    }
    redisUtil.del(token);
    System.out.println("用户已退出");
    return Msg.success().add("suc", true);
}
}
```