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1. 关注用户接口

```
8
              user_id = g.user_id
9
              author_id = request.json['author_id']
0
              # 2. 查询用户关系
1
              query = db.session.query(Relation)
              query = query.filter(Relation.user_id == user_id,
2
3
                                   Relation.author_id == author_id)
4
              relation = query.first()
5
              # 3. 如果用户关系存在
6
              if relation:
7
                      更新用户关系为 关注
8
                  relation.relation = Relation.RELATION.FOLLOW
9
                  relation.update_time = datetime.now()
0
              # 4. 如果用户关系不存在
1
              else:
2
                       新建用户关注关系
3
                  new_relation = Relation(user_id=user_id,
                                          author id=author id
5
                                          relation=Relation.RELATION.FOLLOW)
6
                  db.session.add(h
7
              # 5. 更新作者的粉丝数量
8
              db.session.query(User).filter(User.id == author_id).update({
9
                  "fans_count": User.fans_count + 1
              })
1
              # 6. 更新当前用户的关注数量
              db.session.query(User).filter(User.id == user_id).update({
                  "following_count": User.following_count + 1
              })
      FollowUserResource \rightarrow post()
```

2. 取消关注

```
# 1. 查询用户关系
       query = db.session.query(Relation)
       query = query.filter(Relation.user_id == g.user_id,
                            Relation.author_id == author_id)
       relation = query.first()
       # 2. 关系存在
       if relation:
           # 1. 里新万逻辑删除
           relation.relation = Relation.RELATION.DELETE
           relation.update_time = datetime.now()
                2. 更新当前用户的关注数量
                3. 更新作者的粉丝数量
           # 5. 更新作者的粉丝数量
           db.session.query(User).filter(User.id == author_id).update({
               "fans_count": User.fans_count - 1
           })
           # 6. 更新当前用户的关注数量
           db.session.query(User).filter(User.id == g.user_id).update({
               "following_co common.models.user
                             class User(db.Model)
           })
                             用户基本信息
                                                               •
                4. 保存数据
           db.session.commit()
UnFollowUserResource > delete()
```

3. 关注列表

user:1 关注: 2,3,4,5,6,7,8,9, 11

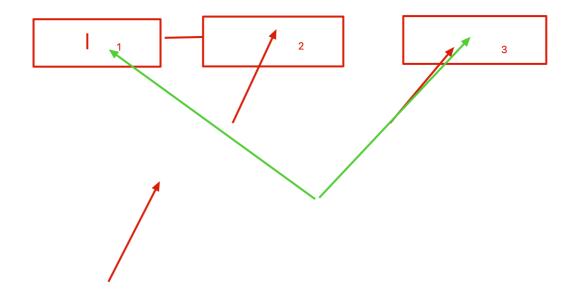
user:1 粉丝: 3, 7, 9, 10, 11, 15

user:1 相关关注: 3, 7, 9, 11

```
per_page = args.per_page
                                                                                       16
       # 4. 查询当前页关注用户数据
                                                                                       17
       query = db.session.query(User)
                                                                                       18
       query = query.join(Relation, User.id == Relation.author_id)
                                                                                       19
       query = query.filter(Relation.user_id == g.user_id,
                                                                                       20
                            Relation.relation == Relation.RELATION.FOLLOW)
                                                                                       21
       follow_users = query.paginate(page, per_page)
                                                                                       22
       # 5. 读取关注用户 id 列表 follow_ids 当前页数据,可迭代follow_users.items
                                                                                       23
       follow_ids = set([user.id for user in follow_users.items])
                                                                                       24
       # 6. 查询当前用户的粉丝 id 列表 fans_ids
                                                                                       25
       query = db.session.guerv(Relation.user id)
                                                                                       26
       query = query.filter(Relation.author_id == g.user_id,
                            Relation.relation == Relation.RELATION.FOLLOW
                                                                                       28
       fans_users = query.all()
                                                                                       29
       fans_ids = set([relation.user_id for relation in fans_users])
       # 7. 取交集 mutual_ids= set(follow_ids).intersection(set(fans_ids))
                                                                                       31
       mutual_ids = follow_ids.intersection(fans_ids)
                                                                                       32
                                                                                       33
       # 8. 构造用户数据返回, 在 mutual_ids 的用户就是相互关注
       users = [
                                                                                       35
           {
                                                                                       36
               "id": user.id,
                                                                                       37
               "name": user.name,
                                                                                       38
               "fans_count": user.fans_count,
                                                                                       39
               "profile_photo": user.profile_photo,
               "mutual_follow": user.id in mutual_ids
           for user in follow_users.items
FollowUserResource > get()
```

4. 发布评论

5. 评论列表



```
mic – argo.cimic
     49
                    # 4. 设置要读取的字段提高性能
                    fields = [
     50
                        Comment.id,
     51
     52
                         Comment.content,
     53
                         Comment.ctime,
                        Comment.user_id,
     54
     55
                        Comment.reply_count,
     56
                        Comment.like_count,
     57
                        User.name,
     58
                         User.profile_photo,
     59
                    query = db.session.query(*fields)
     60
                    # 5. join User,Comment
     61
ws_art 62
                    query = query.join(User Comment.user_id == User.id)
ws_art 63
                    # 6. filter (article_id == article_id
                                                            , id > last_comment_id)
vs_ch: 64
                    query = query.filter(Comment.article_id == article_id,
er_bas 65
                                          Comment.id > last_comment_id)
                    # 7. limit 数据
     66
                    comments = query limit(limit).all()
     67
     68
                    # 8. 构造数据返回
     69
                    results = [
     70
```

6. 回复评论

1

```
26
27
               if parent_id:
28
                   # 子评论
29
                   # 创建子评论
                   comment = Comment(user_id=g.user_id,
30
31
                                      content=content,
32
                                      parent_id=parent_id)
33
                   db.session.query(Comment).filter(Comment.id == parent_id).update({
34
35
                       "reply_count": Comment.reply_count + 1
36
37
38
               else:
39
                   # 2. 新建评论对象
40
                   comment = Comment(user id=q.user id,
41
                                     content=content,
42
                                      article_id=article_id)
                   # 3. 更新文章评论数量
43
                   db.session.query(Article).filter(Article.id == article_id).update({
44
                        "comment_count": Article.comment_count + 1
45
46
               db.session.add(comment)
47
               # 4. 保存数据
48
               db.session.commit()
49
               # 5. 返回
50
               return {'message': "OK"}
51
       CommentsResource > post()
```

7. 回复列表

```
# 2. 添加要解析的参数 article_id, last_comment_id, limit
56
57
               # 3. 解析参数
               parser = RequestParser()
58
59
               parser.add_argumer<mark>t('article_id', type=int</mark>) 非必传
60
               parser.add_argument('last_comment_id', default=0, type=int)
               parser.add_argument('limit', default=10, type=int)
61
62
               parser.add_argument('parent_id', type=int)
63
64
               args = parser.parse_args()
65
               article_id = args.article_id
66
               last comment id = arms last comment id
            narent id 存在就过滤回复评论
           if parent_id:
               query = query.filter(Comment.parent_id == parent_id,
                                    Comment.id > last_comment_id
                                    )
           # 否则过滤文章评论
               # 6. filter (article_id == article_id , id > last_comment_id)
               query = query.filter Comment.article_id == article_id,
                                    Comment.id > last_comment_id)
           # 7. limit 数据
```