

Users
+ user_id: int
+ user_name: string
password: string
person rank: int

Users Gateway
findUser(user_id)
update(user_id, user_name, passowrd, person rank)
insert(user_name, passowrd, person rank)

Posts
+ post_id: int
+ user_id: int
timestamp: date
question: text

Posts Gateway
createPostr(user_id)
findPostr(post_id)
updatePost(post_id, timestamp, question)
addAnswer(post_id, user_id, timestamp)

Categories
+ cate_id: int
cate_name: string
timestamp: date

Categories Gateway
createCategory(cate_name)
findCategory(cate_id)
AddPost(cate_id, post_id)
DeletePost(cate_id, post_id)

Follower_followee
follower_id
followee_id

Follower_followee_Gateway
followUser(follower_id,followee_id)
listAllFollowers(followee_id)
listAllFollowees(follower_id)
unflollowUser(follower_id,followee_id)

Answers
answer_id : int
user_id : int
answer: text
thumpups :int
timestamp: date

Answers_Gateway
createAnswer(user_id, post_id, answer, timestamp)
thumpups(answer_id, thumpups)
listAllAnswers(user_id)
update(answer_id, answer, timestamp)
delete(answer_id)

Ranks
rank_id : int
user_id : int
cate_id: int
rank :int

Ranks_Gateway
updateRank(user_id, cate_id, rank)
listAllRanks(user_id)