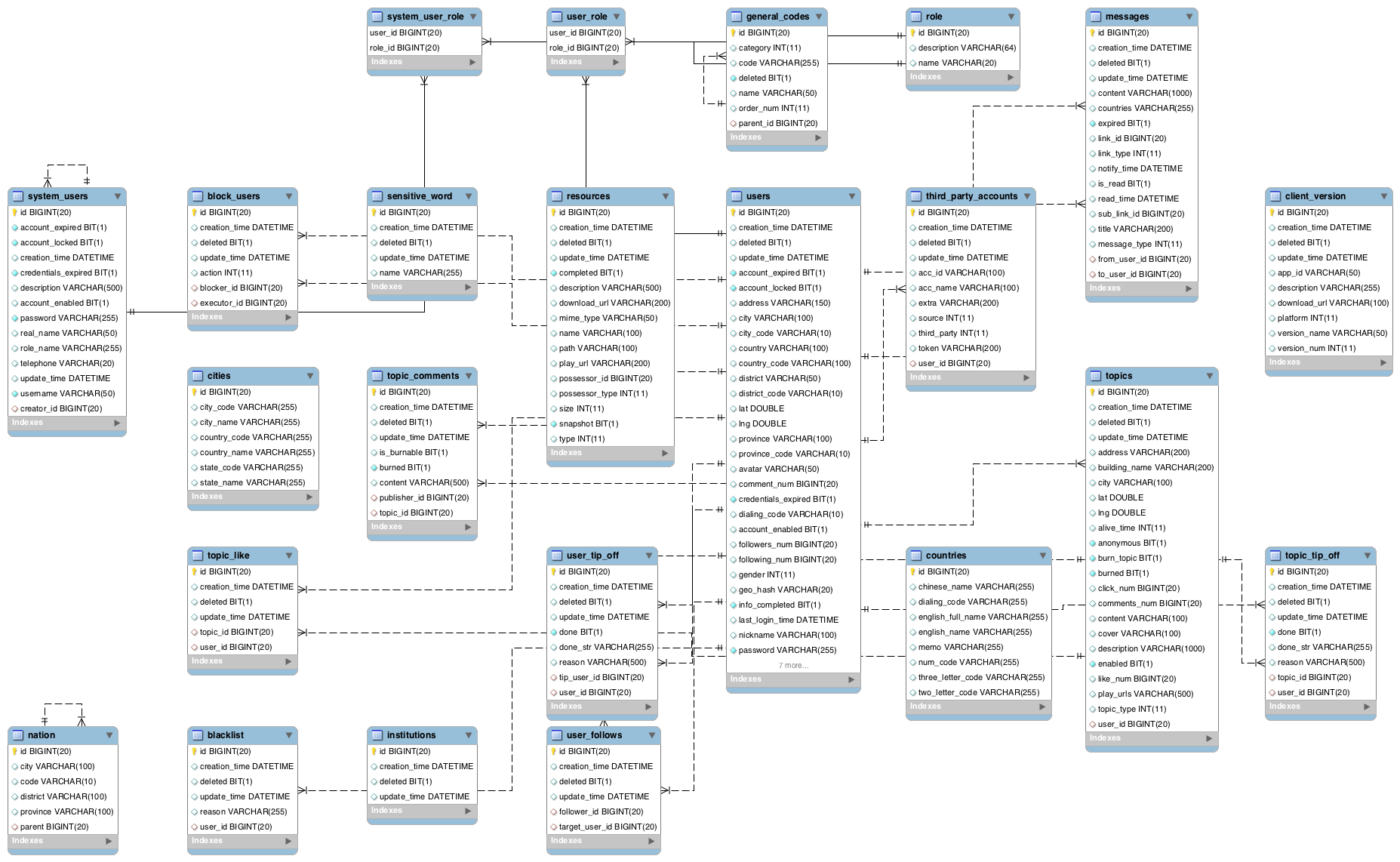
Uing 数据库设计文档



1.公共属性（下列无id说明所有的表共有的属性，有id的除外）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | ID |
| creation\_time | Date | 创建时间 |
| update\_time | Date | 修改时间 |
| deleted | boolean | 是否删除标志位 |
|  |  |  |

2.黑名单（blacklist）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| reason | String | 加入黑名单原因 |
| user\_id | Date | 用户id |

3.拉黑（block\_users）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| action | int | (0, **“**无**"**),  (1, **“**拉黑**"**),  (1 << 1, **“**不看他的帖子**"**),  (1 << 1 | 1, **"**拉黑且不看他的帖子**"**); |
| blocker\_id | long | 被拉黑的用户id |
| executor\_id | long | 执行拉黑操作的用户id |

4.城市列表（cities）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 主键 |
| city\_code | String | 城市代码 |
| city\_name | String | 城市名字 |
| country\_code | String | 国家代码 |
| country\_name | String | 国家名字 |
| state\_code | String | 省份代码 |
| state\_name | String | 省份名字 |

5.客户端版本（client\_version）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| app\_id | String | app id |
| description | String | 描述 |
| download\_url | String | 下载地址 |
| platform | String | 平台，ios为0，android为1 |
| version\_name | String | 版本号名字 |
| version\_num | String | 版本数字 |

6.国家（countries）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 主键 |
| chinese\_name | String | 中文名 |
| dialing\_code | String | 手机区号 |
| english\_full\_name | String | 英文全名 |
| english\_name | String | 英文简称 |
| memo | String | 备注 |
| num\_code |  | 代码 |
| three\_letter\_code |  | 三个字母代码 |
| two\_letter\_code |  | 两个字母代码 |

7.代码表（general\_codes）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 主键 |
| category | String | 类别 |
| code | String | 代码 |
| deleted | String | 删除标志 |
| name | String | 名字 |
| order\_num | String | 排序字段 |
| parent\_id |  | 父类别id |

8.消息表（messages）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| content | long | 主键 |
| countries | String | 根据国家推送时国家列表 |
| expired | boolean | 是否过期 |
| link\_id | long | 关联的对象id |
| **sub\_link\_id** | long | 关联的子对象id |
| link\_type | String | 关联对象类型 |
| notify\_time | String | 通知时间 |
| is\_read |  | 是否已读 |
| read\_time |  | 读取时间 |
| title |  | 标题 |
| message\_type |  | 类型 |
| from\_user\_id |  | 来自的用户id |
| to\_user\_id |  | 发送到的用户id |

9.国内城市列表（nations）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 主键 |
| city | String | 城市 |
| code | String | 代码 |
| district | String | 地区 |
| province | String | 省份 |
| parent | String | 父级代码 |
|  |  |  |

10.角色列表（role）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 主键 |
| description | String | 描述 |
| name | String | 名字 |

11.敏感字（sensitive\_word）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| name | String | 敏感字 |

12.系统用户角色关联表（system\_user\_role）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| user\_id | long | 系统用户id |
| role\_id | long | 角色id |

13.系统用户表（system\_users）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| id | long | 系统用户id |
| account\_expired | bool | 是否过期 |
| account\_locked | bool | 是否加锁 |
| creation\_time |  | 创建时间 |
| credentials\_expired | bool | 证书是否过期 |
| description |  | 描述 |
| account\_enabled | bool | 是否激活 |
| password |  | 密码 |
| real\_name |  | 真是姓名 |
| role\_name |  | 角色名称 |
| telephone |  | 手机号码 |
| update\_time |  | 修改时间 |
| username |  | 用户登录名 |
| creator\_id |  | 创建者id |
| appUser\_id |  | 管理账户 |

14.第三方账号（third\_party\_accounts ）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| acc\_id | long | 第三方用户id |
| acc\_name | long | 第三方用户名 |
| extra |  | 补充属性 |
| source |  | 来源：0 ios，1 android |
| third\_party |  | (1, **“**极光推送**"**),  (2, **“**极光聊天**"**),  (3, **"**网易云信**"**), (4, **"**融云**IM"**),  (5, **“QQ"**),  (6, **"WX"**); |
| token |  | token |
| user\_id |  | 关联系统的用户id |

15.帖子评论（topic\_comments）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| is\_burnable | bool | 是否焚烧评论 |
| burned | bool | 是否已焚烧 |
| content | String | 评论内容 |
| publisher\_id | long | 发布用户id |
| topic\_id | long | 帖子id |

16.帖子点赞（topic\_like）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| user\_id | long | 点赞用户id |
| topic\_id | long | 帖子id |

17.帖子举报（topic\_tip\_off）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| done | bool | 是否完成审核 |
| done\_str | String | 审核结果说明 |
| reason | String | 举报原因 |
| topic\_id | long | 帖子id |
| user\_id | long | 举报用户id |

18.帖子（topics）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| address | String | 帖子具体地址 |
| building\_name | String | 帖子地址建筑物名称 |
| city | String | 帖子地址城市 |
| lat | double | 帖子地址纬度 |
| lng | double | 帖子地址经度 |
| alive\_time | int | 焚烧生存时间，默认300秒 |
| anonymous | bool | 是否匿名 |
| burn\_topic | bool | 是否焚烧帖 |
| burned | bool | 是否已焚烧 |
| click\_num | int | 点击数 |
| comments\_num | int | 评论数 |
| content | String | 内容，当类型为图片帖子时，其内容为图片的id列表；当类型为视频帖子时，内容为视频的id |
| cover | String | 封面地址 |
| description | String | 描述 |
| enabled | bool | 是否可用 |
| like\_num | int | 点赞数 |
| play\_urls | String | 视频帖子的播放url，多个以逗号分隔 |
| topic\_type | int | 帖子类型：1 图片，2视频 |
| user\_id | long | 发帖用户id |

19.关注（user\_follows）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| follower\_id | long | 执行关注操作的用户id |
| target\_user\_id | long | 被关注的用户id |

20.用户角色（user\_role）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| role\_id | long | 角色id |
| user\_id | long | 用户id |

21.用户举报（user\_tip\_off）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| done | bool | 是否已审核 |
| done\_str | String | 审核结果说明 |
| reason | String | 举报原因 |
| tip\_user\_id | long | 被举报的用户id |
| user\_id | long | 举报用户id |

22.用户（users）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| account\_expired | bool | 是否过期 |
| account\_locked | String | 是否加锁 |
| address | String | 具体地址 |
| city | long | 城市 |
| city\_code | long | 城市代码 |
| country | String | 国家 |
| country\_code | String | 国家代码 |
| district | String | 地区 |
| district\_code | String | 地区代码 |
| lat | double | 纬度 |
| lng | double | 经度 |
| province | String | 省份 |
| province\_code | String | 省份代码 |
| avatar | String | 头像 |
| comment\_num | integer | 发表的评论数 |
| credentials\_expired | bool | 证书是否过期 |
| dialing\_code | String | 手机号区号 |
| account\_enabled | bool | 账号是否激活 |
| followers\_num | integer | 粉丝数量 |
| following\_num | integer | 关注的人的数据 |
| gender | integer | 性别：0男，1女，2未知 |
| geo\_hash | String | 经纬度的geohash |
| info\_completed | bool | 信息是否完善 |
| last\_login\_time | Date | 最后一次登录时间 |
| nickname | String | 昵称 |
| password | String | 密码 |
| publish\_topics\_num | Integer | 发布帖子数 |
| receive\_notif | bool | 是否接收评论通知 |
| registration\_way | integer | 注册途径 |
| signature | String | 签名 |
| status | Integer | 状态：(1, **“**正常**"**),  (2, **"**已加入黑名单**"**); |
| topic\_like\_num | integer | 帖子被点赞的数量 |
| username | String | 用户名 |

23.用户备注表（user\_remark）

| 字段 | 类型 | 说明 |
| --- | --- | --- |
| remarker\_id | long | 执行备注操作的用户id |
| target\_user\_id | long | 被备注的用户id |
| remarkName | String | 备注名 |
| updateTime | Date | 修改的时间 |

附录：

1.建表sql

CREATE TABLE blacklist (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

reason VARCHAR(255),

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE block\_users (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

action INTEGER,

blocker\_id BIGINT,

executor\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE cities (

id BIGINT NOT NULL AUTO\_INCREMENT,

city\_code VARCHAR(255),

city\_name VARCHAR(255),

country\_code VARCHAR(255),

country\_name VARCHAR(255),

state\_code VARCHAR(255),

state\_name VARCHAR(255),

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE client\_version (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

app\_id VARCHAR(50),

description VARCHAR(255),

download\_url VARCHAR(100),

platform INTEGER,

version\_name VARCHAR(50),

version\_num INTEGER,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE countries (

id BIGINT NOT NULL,

chinese\_name VARCHAR(255),

dialing\_code VARCHAR(255),

english\_full\_name VARCHAR(255),

english\_name VARCHAR(255),

memo VARCHAR(255),

num\_code VARCHAR(255),

three\_letter\_code VARCHAR(255),

two\_letter\_code VARCHAR(255),

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE general\_codes (

id BIGINT NOT NULL AUTO\_INCREMENT,

category INTEGER,

code VARCHAR(255),

deleted BIT NOT NULL,

name VARCHAR(50),

order\_num INTEGER,

parent\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE institutions (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE messages (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

content VARCHAR(1000),

countries VARCHAR(255),

expired BIT NOT NULL,

link\_id BIGINT,

link\_type INTEGER,

notify\_time DATETIME,

is\_read BIT,

read\_time DATETIME,

sub\_link\_id BIGINT,

title VARCHAR(200),

message\_type INTEGER,

from\_user\_id BIGINT,

to\_user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE nation (

id BIGINT NOT NULL AUTO\_INCREMENT,

city VARCHAR(100),

code VARCHAR(10),

district VARCHAR(100),

province VARCHAR(100),

parent BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE resources (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

completed BIT NOT NULL,

description VARCHAR(500),

download\_url VARCHAR(200),

mime\_type VARCHAR(50),

name VARCHAR(100),

path VARCHAR(100),

play\_url VARCHAR(200),

possessor\_id BIGINT,

possessor\_type INTEGER,

size INTEGER,

snapshot BIT NOT NULL,

type INTEGER,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE role (

id BIGINT NOT NULL AUTO\_INCREMENT,

description VARCHAR(64),

name VARCHAR(20),

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE sensitive\_word (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

name VARCHAR(255),

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE system\_user\_role (

user\_id BIGINT NOT NULL,

role\_id BIGINT NOT NULL,

PRIMARY KEY (user\_id, role\_id)

)

ENGINE = InnoDB;

CREATE TABLE system\_users (

id BIGINT NOT NULL AUTO\_INCREMENT,

account\_expired BIT NOT NULL,

account\_locked BIT NOT NULL,

creation\_time DATETIME,

credentials\_expired BIT NOT NULL,

description VARCHAR(500),

account\_enabled BIT,

password VARCHAR(255) NOT NULL,

real\_name VARCHAR(50),

role\_name VARCHAR(255),

telephone VARCHAR(20),

update\_time DATETIME,

username VARCHAR(50) NOT NULL,

creator\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE third\_party\_accounts (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

acc\_id VARCHAR(100),

acc\_name VARCHAR(100),

extra VARCHAR(200),

source INTEGER,

third\_party INTEGER,

token VARCHAR(200),

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE topic\_comments (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

is\_burnable BIT,

burned BIT NOT NULL,

content VARCHAR(500),

publisher\_id BIGINT,

topic\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE topic\_like (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

topic\_id BIGINT,

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE topic\_tip\_off (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

done BIT NOT NULL,

done\_str VARCHAR(255),

reason VARCHAR(500),

topic\_id BIGINT,

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE topics (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

address VARCHAR(200),

building\_name VARCHAR(200),

city VARCHAR(100),

lat DOUBLE PRECISION,

lng DOUBLE PRECISION,

alive\_time INTEGER,

anonymous BIT NOT NULL,

burn\_topic BIT NOT NULL,

burned BIT NOT NULL,

click\_num BIGINT,

comments\_num BIGINT,

content VARCHAR(100),

cover VARCHAR(100),

description VARCHAR(1000),

enabled BIT NOT NULL,

like\_num BIGINT,

play\_urls VARCHAR(500),

topic\_type INTEGER,

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE user\_follows (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

follower\_id BIGINT,

target\_user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE user\_remark(

id BIGINT NOT NULL AUTO\_INCREMENT,

updateTime DATETIME,

remarker\_id BIGINT,

target\_user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE user\_role (

user\_id BIGINT NOT NULL,

role\_id BIGINT NOT NULL,

PRIMARY KEY (user\_id, role\_id)

)

ENGINE = InnoDB;

CREATE TABLE user\_tip\_off (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

done BIT NOT NULL,

done\_str VARCHAR(255),

reason VARCHAR(500),

tip\_user\_id BIGINT,

user\_id BIGINT,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

CREATE TABLE users (

id BIGINT NOT NULL AUTO\_INCREMENT,

creation\_time DATETIME,

deleted BIT,

update\_time DATETIME,

account\_expired BIT NOT NULL,

account\_locked BIT NOT NULL,

address VARCHAR(150),

city VARCHAR(100),

city\_code VARCHAR(10),

country VARCHAR(100),

country\_code VARCHAR(100),

district VARCHAR(50),

district\_code VARCHAR(10),

lat DOUBLE PRECISION,

lng DOUBLE PRECISION,

province VARCHAR(100),

province\_code VARCHAR(10),

avatar VARCHAR(50),

comment\_num BIGINT,

credentials\_expired BIT NOT NULL,

dialing\_code VARCHAR(10),

account\_enabled BIT,

followers\_num BIGINT,

following\_num BIGINT,

gender INTEGER,

geo\_hash VARCHAR(20),

info\_completed BIT NOT NULL,

last\_login\_time DATETIME,

nickname VARCHAR(100),

password VARCHAR(255) NOT NULL,

publish\_topics\_num BIGINT,

receive\_notif BIT,

registration\_way INTEGER,

signature VARCHAR(200),

status INTEGER,

topic\_like\_num BIGINT,

username VARCHAR(50) NOT NULL,

PRIMARY KEY (id)

)

ENGINE = InnoDB;

ALTER TABLE system\_users ADD CONSTRAINT UK\_tr0kj1o2dqfwm13a6fvwrg867 UNIQUE (username);

ALTER TABLE users ADD CONSTRAINT UK\_2ty1xmrrgtn89xt7kyxx6ta7h UNIQUE (nickname);

ALTER TABLE users ADD CONSTRAINT UK\_r43af9ap4edm43mmtq01oddj6 UNIQUE (username);

ALTER TABLE blacklist ADD CONSTRAINT FK8rrfcw4ypm4eayqtfu53tkl9r FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE block\_users ADD CONSTRAINT FKrab54pef2lbi10s4sr51ekyhd FOREIGN KEY (blocker\_id) REFERENCES users (id);

ALTER TABLE block\_users ADD CONSTRAINT FK4jw2tgn9m35jbdf6vv059cpkg FOREIGN KEY (executor\_id) REFERENCES users (id);

ALTER TABLE general\_codes ADD CONSTRAINT FKdqvy3n3u0yb550hpxxo3tdipa FOREIGN KEY (parent\_id) REFERENCES general\_codes (id);

ALTER TABLE messages ADD CONSTRAINT FKms9o5dx3lfmikr6k8kyxi030e FOREIGN KEY (from\_user\_id) REFERENCES users (id);

ALTER TABLE messages ADD CONSTRAINT FK6y0sbofpv484p7yi78nr9hii1 FOREIGN KEY (to\_user\_id) REFERENCES users (id);

ALTER TABLE nation ADD CONSTRAINT FKebfjmxf7bo2spp9kyvu9wtnw2 FOREIGN KEY (parent) REFERENCES nation (id);

ALTER TABLE system\_user\_role ADD CONSTRAINT FKl71b9ib2ylhgyby4x7r5bof17 FOREIGN KEY (role\_id) REFERENCES role (id);

ALTER TABLE system\_user\_role ADD CONSTRAINT FKrsidvnc418ibn3m8ij1xkjrau FOREIGN KEY (user\_id) REFERENCES system\_users (id);

ALTER TABLE system\_users ADD CONSTRAINT FKth5xkj150a0p3eg40rqlg42u5 FOREIGN KEY (creator\_id) REFERENCES system\_users (id);

ALTER TABLE third\_party\_accounts ADD CONSTRAINT FK3c2omice7eobotlf11ksn6ohh FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE topic\_comments ADD CONSTRAINT FKjh3wv8ri2mjm8purn0vmgp6nb FOREIGN KEY (publisher\_id) REFERENCES users (id);

ALTER TABLE topic\_comments ADD CONSTRAINT FKrxqp6e3ekumm5lpd0et115732 FOREIGN KEY (topic\_id) REFERENCES topics (id);

ALTER TABLE topic\_like ADD CONSTRAINT FK6y9ncydlmgu4ujxdk6rgtcr1i FOREIGN KEY (topic\_id) REFERENCES topics (id);

ALTER TABLE topic\_like ADD CONSTRAINT FKp0k3ohv3nnmlsi4mtn3rs85br FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE topic\_tip\_off ADD CONSTRAINT FK93cylckgideapeevoj871syp0 FOREIGN KEY (topic\_id) REFERENCES topics (id);

ALTER TABLE topic\_tip\_off ADD CONSTRAINT FKddvkpiqcms86w1rtjocw63f8w FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE topics ADD CONSTRAINT FKoc3papwmjontq89fcia02ag1h FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE user\_follows ADD CONSTRAINT FKqx9mu1fniaua5jfe1cdyspxdt FOREIGN KEY (follower\_id) REFERENCES users (id);

ALTER TABLE user\_follows ADD CONSTRAINT FKjode808o7u2b6xo2oovjgq55p FOREIGN KEY (target\_user\_id) REFERENCES users (id);

ALTER TABLE user\_role ADD CONSTRAINT FKa68196081fvovjhkek5m97n3y FOREIGN KEY (role\_id) REFERENCES role (id);

ALTER TABLE user\_role ADD CONSTRAINT FKj345gk1bovqvfame88rcx7yyx FOREIGN KEY (user\_id) REFERENCES users (id);

ALTER TABLE user\_tip\_off ADD CONSTRAINT FKm9lct8j5prnt49y2igxueotqc FOREIGN KEY (tip\_user\_id) REFERENCES users (id);

ALTER TABLE user\_tip\_off ADD CONSTRAINT FK77naxet81u69m28ljq7x7vxp5 FOREIGN KEY (user\_id) REFERENCES users (id);