**1.users表存放数据库信息：id（主键,自增）account（不可重复） password（密码，加密）phone email age sex birthday create\_date introduction(50字符以内) show(展示范围) avator（头像）**

CREATE TABLE `users` (

`id` BIGINT(0) NOT NULL AUTO\_INCREMENT,

`account` VARCHAR(64) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL COMMENT '账号',

`nickname` VARCHAR(64) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL COMMENT '昵称',

`password` VARCHAR(64) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL COMMENT '密码',

`create\_date` DATE NULL DEFAULT NULL COMMENT '注册日期',

`birthday` DATE NULL DEFAULT NULL COMMENT '生日',

`email` VARCHAR(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '邮箱',

`phone` VARCHAR(20) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '手机号',

`age` INT NULL DEFAULT NULL COMMENT '年龄',

`sex` VARCHAR(6) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '性别',

`introduction` VARCHAR(256) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL COMMENT '简介',

`show` INT NULL DEFAULT 0 COMMENT '展示范围',

`avator` VARCHAR(256) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '头像',

PRIMARY KEY (`id`) USING BTREE

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci

**2.friends存放好友: user1 user2 status**

CREATE TABLE `friends` (

`user1\_id` BIGINT(0) NOT NULL,

`user2\_id` BIGINT(0) NOT NULL,

`status` INT NULL DEFAULT NULL COMMENT '状态',

PRIMARY KEY (`user1\_id`,`user2\_id`)

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci

3**. music\_upload我上传的音乐: id（主键） up\_user\_id(空代表官方上传) name save\_path photo\_path type(短或长) duration description up\_time permission(是否公开)**

CREATE TABLE `music\_upload` (

`id` BIGINT(0) NOT NULL AUTO\_INCREMENT,

`up\_user\_id` BIGINT(0) NULL COMMENT '上传用户id',

`name` VARCHAR(64) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '音频名称',

`up\_time` DATE NULL DEFAULT NULL COMMENT '上传时间',

`save\_path` VARCHAR(256) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '保存路径',

`photo\_path` VARCHAR(256) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '对应图片路径',

`description` VARCHAR(256) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '描述',

`type` INT NOT NULL COMMENT '音频类型',

`duration` INT NOT NULL COMMENT '秒数',

`permission` INT NOT NULL DEFAULT 0 COMMENT '查看权限',

PRIMARY KEY (`id`) USING BTREE

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci **4. music\_\_favorite我收藏的音乐: user\_id music\_id fav\_time type(短或长)**

CREATE TABLE `music\_favorite` (

`user\_id` BIGINT(0) NOT NULL COMMENT '用户id',

`music\_id` BIGINT(0) NOT NULL COMMENT '音频id',

`fav\_time` DATE NULL DEFAULT NULL COMMENT '收藏时间',

`type` INT NOT NULL COMMENT '音频类型',

PRIMARY KEY (`user\_id`,`music\_id`)

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci

**5.music\_\_like我点赞的音乐: user\_id music\_id like\_time type(短或长)**

CREATE TABLE `music\_favorite` (

`user\_id` BIGINT(0) NOT NULL COMMENT '用户id',

`music\_id` BIGINT(0) NOT NULL COMMENT '音频id',

`fav\_time` DATE NULL DEFAULT NULL COMMENT '收藏时间',

`type` INT NOT NULL COMMENT '音频类型',

PRIMARY KEY (`user\_id`,`music\_id`)

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci

//长音频的id和短音频的映射，包括开始时间，音轨，文件路径等

**6.评论：id content** comment\_time **music\_id user\_id parent\_id to\_user\_id(二层评论所评论的评论的user) level（1/2这里只支持二层评论）**

CREATE TABLE `music\_comment` (

`id` BIGINT(0) NOT NULL AUTO\_INCREMENT COMMENT '上传用户id',

`content` VARCHAR(255) CHARACTER SET utf8mb4 COLLATE utf8mb4\_unicode\_ci NOT NULL COMMENT '内容',

`comment\_time` DATE NOT NULL COMMENT '评论时间',

`music\_id` BIGINT(0) NOT NULL COMMENT '音乐id',

`user\_id` BIGINT(0) NOT NULL COMMENT '评论用户id',

`parent\_id` BIGINT(0) NOT NULL COMMENT '二层评论所评论的评论id',

`to\_user\_id` BIGINT(0) NOT NULL COMMENT '二层评论所评论的用户id',

`level` INT NOT NULL DEFAULT 1 COMMENT '层级',

PRIMARY KEY (`id`) USING BTREE,

INDEX `music\_id`(`music\_id`) USING BTREE

) ENGINE = INNODB AUTO\_INCREMENT = 1 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci

**7.bloc博客: id user\_id text up\_time music\_id like\_num fav\_num permission**

CREATE TABLE `bloc` (

`id` BIGINT(0) NOT NULL AUTO\_INCREMENT,

`user\_id` BIGINT(0) NULL COMMENT '上传用户id',

`up\_time` DATE NULL DEFAULT NULL COMMENT '上传时间',

`text` VARCHAR(512) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '文本',

`music\_id` BIGINT(0) NULL COMMENT '附件音乐id',

`like\_num` INT NOT NULL DEFAULT 0 COMMENT '点赞数',

`fav\_num` INT NOT NULL DEFAULT 0 COMMENT '收藏数',

`permission` INT NOT NULL DEFAULT 0 COMMENT '查看权限',

PRIMARY KEY (`id`) USING BTREE

) ENGINE = INNODB AUTO\_INCREMENT = 16 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci