11.数据库设计

菜单权限表

```sql
CREATE TABLE `permission` (
  `id` bigint NOT NULL AUTO_INCREMENT,
  `code` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '权限编码',
  `type` tinyint NOT NULL COMMENT '1:菜单  2: 操作',
  `name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '权限名称',
  `page_path` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL DEFAULT '' COMMENT '菜单路径',
  `parent_id` bigint NOT NULL DEFAULT '-1' COMMENT '父级权限ID',
  `status` tinyint NOT NULL COMMENT '1: 正常 -1: 禁用',
  `sort` int NOT NULL DEFAULT '1',
  `desc` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL DEFAULT '' COMMENT '权限描述',
  `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
  `update_by` bigint NOT NULL DEFAULT '0',
  PRIMARY KEY (`id`) USING BTREE,
  UNIQUE KEY `idx_code` (`code`,`status`) USING BTREE,
  KEY `idx_name` (`name`) USING BTREE,
  KEY `idx_parent_id` (`parent_id`) USING BTREE
) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='权限清单表';
```

管理员表

```sql
CREATE TABLE `admin_user` (
  `id` bigint NOT NULL AUTO_INCREMENT COMMENT '主键-管理员ID表',
  `name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '名字',
  `nick_name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '昵称',
  `mobile` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '手机号码',
```

```
6      `lark_open_id` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci
       NOT NULL DEFAULT '' COMMENT '飞书openid',
7      `password` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
       NULL COMMENT '密码',
8      `status` tinyint NOT NULL DEFAULT '1' COMMENT '1:正常 -1: 禁用',
9      `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
10     `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
11     `create_by` bigint NOT NULL DEFAULT '0',
12     `update_by` bigint NOT NULL DEFAULT '1',
13     `sex` tinyint NOT NULL DEFAULT '3' COMMENT '3:其他 1: 男 2: 女',
14     `is_delete` tinyint NOT NULL DEFAULT '0',
15     PRIMARY KEY (`id`) USING BTREE,
16     UNIQUE KEY `idx_mobile` (`mobile`) USING BTREE,
17     KEY `idx_name` (`name`) USING BTREE
18   ) ENGINE=InnoDB AUTO_INCREMENT=57 DEFAULT CHARSET=utf8mb4
     COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='管理后台用户表';
```

角色表

代码块

```
1    CREATE TABLE `roles` (
2      `id` bigint NOT NULL AUTO_INCREMENT,
3      `name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
       COMMENT '角色名',
4      `desc` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
       COMMENT '角色描述',
5      `status` tinyint NOT NULL COMMENT '1:正常 -1: 禁用',
6      `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
7      `update_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
       CURRENT_TIMESTAMP,
8      `create_by` bigint NOT NULL DEFAULT '0',
9      `update_by` bigint NOT NULL DEFAULT '0',
10     PRIMARY KEY (`id`) USING BTREE,
11     UNIQUE KEY `uidx_name` (`name`) USING BTREE
12   ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci
     ROW_FORMAT=DYNAMIC COMMENT='角色表';
```

角色权限表

代码块

```
1    CREATE TABLE `role_permission` (
2      `id` bigint NOT NULL AUTO_INCREMENT,
3      `role_id` bigint NOT NULL COMMENT '角色ID',
```

```
 4      `permission_id` bigint NOT NULL COMMENT '权限ID',
 5      `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
 6      `update_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
      CURRENT_TIMESTAMP,
 7      `create_by` bigint NOT NULL DEFAULT '0',
 8      `update_by` bigint NOT NULL DEFAULT '0',
 9      PRIMARY KEY (`id`) USING BTREE,
10      KEY `idx_role_id` (`role_id`) USING BTREE
11    ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='角色权限表';
```

管理员角色表

代码块

```
 1    CREATE TABLE `admin_user_role` (
 2      `id` bigint NOT NULL AUTO_INCREMENT,
 3      `admin_user_id` bigint NOT NULL COMMENT '管理员ID',
 4      `role_id` bigint NOT NULL COMMENT '角色ID',
 5      `update_at` datetime NOT NULL,
 6      `update_by` bigint NOT NULL,
 7      PRIMARY KEY (`id`),
 8      UNIQUE KEY `uidx_aduid_role_id` (`admin_user_id`,`role_id`),
 9      KEY `idx_role_id` (`role_id`)
10    ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_german2_ci COMMENT='管理
      员角色表';
```

用户主表

代码块

```
 1    CREATE TABLE `user` (
 2      `id` bigint unsigned NOT NULL AUTO_INCREMENT COMMENT '全局user_id',
 3      `nick_name` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL DEFAULT '',
 4      `sex` tinyint NOT NULL COMMENT '默认0 其他， 1: 男 2: 女',
 5      `password` varchar(64) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL DEFAULT '' COMMENT '64长度，全局唯一一个密码，不支持昵称登录，支持微信登录和手机号
      密码登录',
 6      `status` tinyint NOT NULL DEFAULT '1' COMMENT '默认1: 正常  -1: 禁用',
 7      `icon_key` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL DEFAULT '' COMMENT '长度固定32，云存储key uuid去 -',
 8      `create_at` datetime NOT NULL,
 9      `last_login_at` datetime DEFAULT NULL,
10      `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
```

```
11    PRIMARY KEY (`id`) USING BTREE,
12    KEY `idx_name` (`nick_name`)
13  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci
    ROW_FORMAT=DYNAMIC COMMENT='用户主表';
```

微信用户表

代码块

```
1   CREATE TABLE `wechat_user` (
2     `id` bigint NOT NULL AUTO_INCREMENT COMMENT '主键ID,自增（无实际用途）',
3     `user_id` bigint NOT NULL COMMENT '全局用户id,user表主键',
4     `union_id` varchar(128) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
    NULL COMMENT '微信唯一用户ID',
5     `nick_name` varchar(128) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
     NULL DEFAULT '' COMMENT '微信昵称',
6     `icon_url` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
    NULL COMMENT '128长度 微信头像',
7     `create_at` datetime NOT NULL,
8     `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
9     PRIMARY KEY (`id`) USING BTREE,
10    UNIQUE KEY `uidx_user` (`user_id`) USING BTREE,
11    UNIQUE KEY `uidx_union` (`union_id`) USING BTREE
12  ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='微信用户表';
```

手机号用户表

代码块

```
1   CREATE TABLE `mobile_user` (
2     `id` bigint NOT NULL AUTO_INCREMENT COMMENT '自增，更换手机号码硬删除',
3     `user_id` bigint NOT NULL COMMENT 'user表主键',
4     `mobile_aes` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci
    NOT NULL COMMENT 'aes加密后的手机号，用于解密回显',
5     `mobile_sha256` varchar(255) CHARACTER SET utf8mb4 COLLATE
    utf8mb4_general_ci NOT NULL COMMENT 'sha256加密后的手机号,用于全值搜索',
6     `create_at` datetime NOT NULL,
7     `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
8     PRIMARY KEY (`id`) USING BTREE,
9     UNIQUE KEY `uidx_mobile` (`mobile_sha256`) USING BTREE,
10    UNIQUE KEY `uid_user` (`user_id`) USING BTREE
11  ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='手机用户表';
```

应用用户表

```
1  CREATE TABLE `app_user` (
2    `id` bigint NOT NULL AUTO_INCREMENT COMMENT '自增（无实际用途）',
3    `user_id` bigint NOT NULL COMMENT '全局用户id,user表主键',
4    `app_code` int NOT NULL COMMENT '1000=公众号，1001=小程序，其他进行扩展,固定值不能变更',
5    `open_id` varchar(128) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL COMMENT '当前存储微信应用的openid',
6    `status` tinyint NOT NULL DEFAULT '1' COMMENT '默认1: 正常 -1: 禁用',
7    `create_at` datetime NOT NULL,
8    `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
9    PRIMARY KEY (`id`) USING BTREE,
10   UNIQUE KEY `uidx_user_appcode` (`user_id`,`app_code`),
11   UNIQUE KEY `uidx_openId` (`open_id`)
12 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='应用用户表';
```

用户权益表（用户购买的课程商品权益）

```
1  CREATE TABLE `user_course_goods` (
2    `id` bigint NOT NULL AUTO_INCREMENT,
3    `user_id` bigint NOT NULL COMMENT '用户ID',
4    `order_id` bigint NOT NULL COMMENT '订单ID',
5    `goods_id` bigint NOT NULL COMMENT '商品ID',
6    `goods_type` tinyint NOT NULL COMMENT '1.课程商品',
7    `buy_time` bigint NOT NULL COMMENT '购买时间',
8    `service_expire_time` bigint NOT NULL COMMENT '辅导到期时间',
9    PRIMARY KEY (`id`),
10   KEY `idx_uid` (`user_id`),
11   KEY `idx_cid` (`goods_id`),
12   KEY `idx_se_ex_t` (`service_expire_time`) USING BTREE
13 ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci COMMENT='用户购买的课程列表';
```

课程商品主表

```
1  CREATE TABLE `course_goods` (
2    `id` bigint NOT NULL AUTO_INCREMENT,
```

```sql
  3      `name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
      DEFAULT '',
  4      `cover_key` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL DEFAULT '' COMMENT '封面图key',
  5      `detail_cover_key` varchar(255) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_general_ci NOT NULL COMMENT '详情图key',
  6      `detail` text CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
      COMMENT '课程详情',
  7      `course_price` bigint NOT NULL DEFAULT '0' COMMENT '商品价格',
  8      `service_time` tinyint NOT NULL COMMENT '辅导服务时长\r\n1: 一个月 2: 三个月 3:
      半年 4: 一年',
  9      `sale_type` tinyint NOT NULL COMMENT '1: 免费 2: 收费',
 10      `status` tinyint NOT NULL DEFAULT '-1' COMMENT '-1: 下架 1: 上架',
 11      `features` varchar(255) COLLATE utf8mb4_general_ci NOT NULL COMMENT '课程特
      色',
 12      `create_at` datetime NOT NULL,
 13      `create_by` bigint NOT NULL DEFAULT '0',
 14      `update_at` datetime NOT NULL,
 15      `update_by` bigint NOT NULL DEFAULT '0',
 16      PRIMARY KEY (`id`),
 17      UNIQUE KEY `uidx_name` (`name`)
 18  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci COMMENT='课程
      商品表';
```

课程目录表

代码块

```sql
  1  CREATE TABLE `course_catalog` (
  2      `id` bigint NOT NULL AUTO_INCREMENT,
  3      `parent_id` bigint NOT NULL DEFAULT '-1',
  4      `level` int NOT NULL DEFAULT '1',
  5      `name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL,
  6      `good_id` bigint NOT NULL,
  7      `sort` bigint NOT NULL,
  8      `update_at` datetime NOT NULL ON UPDATE CURRENT_TIMESTAMP,
  9      `update_by` bigint NOT NULL,
 10      PRIMARY KEY (`id`),
 11      KEY `idx_course` (`course_id`)
 12  ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
      COLLATE=utf8mb4_general_ci COMMENT='课程目录表';
```

课程课时表

```
1   CREATE TABLE `course_lessons` (
2       `id` bigint NOT NULL AUTO_INCREMENT,
3       `course_goods_id` bigint NOT NULL,
4       `catalog_id` bigint NOT NULL,
5       `lesson_id` bigint NOT NULL COMMENT '录播课时ID',
6       `enable_trial` tinyint NOT NULL DEFAULT '0' COMMENT '1:试听 其他值表示非试听',
7       `sort` tinyint NOT NULL DEFAULT '0',
8       `show_time` datetime NOT NULL COMMENT '课时可见时间',
9       `update_at` datetime NOT NULL,
10      `update_by` bigint NOT NULL,
11      PRIMARY KEY (`id`),
12      KEY `idx_gid` (`course_goods_id`),
13      KEY `idx_ct_id` (`catalog_id`)
14  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci COMMENT='课程
    课时表';
```

录播课时目录表

```
1   CREATE TABLE `lesson_category` (
2       `id` bigint NOT NULL,
3       `name` varchar(255) COLLATE utf8mb4_german2_ci NOT NULL,
4       `level` tinyint NOT NULL,
5       `sort` int NOT NULL,
6       `parent_id` bigint NOT NULL DEFAULT '-1',
7       PRIMARY KEY (`id`)
8   ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_german2_ci COMMENT='录播
    课时目录表';
```

录播课时表

```
1   CREATE TABLE `lessons` (
2       `id` bigint NOT NULL AUTO_INCREMENT,
3       `name` varchar(255) COLLATE utf8mb4_german2_ci NOT NULL COMMENT '课时名',
4       `intro` varchar(255) COLLATE utf8mb4_german2_ci NOT NULL COMMENT '课时介绍',
5       `category_id` bigint NOT NULL COMMENT '目录ID',
6       `video_key` varchar(255) COLLATE utf8mb4_german2_ci NOT NULL COMMENT '视频文件
    key',
7       `duration` int NOT NULL COMMENT '视频时长',
8       `attachments` tinytext CHARACTER SET utf8mb4 COLLATE utf8mb4_german2_ci NOT
    NULL COMMENT '课时课件文件列表[{"file_key": "", "file_name": "", "file_type":
    ""}]',
```

```
 9      `create_at` datetime NOT NULL,
10      `create_by` bigint NOT NULL,
11      `update_at` datetime NOT NULL,
12      `update_by` bigint NOT NULL,
13      PRIMARY KEY (`id`),
14      UNIQUE KEY `uidx_name` (`name`),
15      KEY `idx_cate_id` (`category_id`)
16    ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_german2_ci;
```

订单主表

代码块

```
 1    CREATE TABLE `orders` (
 2      `id` bigint NOT NULL AUTO_INCREMENT,
 3      `order_no` char(18) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
      COMMENT '订单号',
 4      `user_id` bigint NOT NULL COMMENT '用户ID',
 5      `status` tinyint NOT NULL DEFAULT '1' COMMENT '-1: 已取消, 1: 待支付 2: 已支付
      （待发货） 3: 已退款 4: 已发货 5: 已签收 6: 已收货',
 6      `order_source` tinyint NOT NULL COMMENT '1: 用户下单 2: 管理后台 3: 系统赠送',
 7      `order_amount` bigint NOT NULL COMMENT '订单金额=支付金额，单位分',
 8      `order_origin_amount` bigint NOT NULL COMMENT '订单金额-商品原价，单位分',
 9      `payment_amount` bigint NOT NULL COMMENT '支付金额-实际支付金额，单位分',
10      `trade_no` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL DEFAULT '' COMMENT '支付平台订单号',
11      `inner_trade_no` varchar(255) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_general_ci NOT NULL COMMENT '内部支付订单号',
12      `order_desc` mediumtext CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
      NULL COMMENT '订单描述',
13      `payment_at` bigint NOT NULL DEFAULT '0' COMMENT '订单支付时间，毫秒时间戳',
14      `user_remark` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci
      NOT NULL COMMENT '用户备注',
15      `receiver_confirm_at` bigint DEFAULT NULL COMMENT '确认收货时间',
16      `receiver_confirm_type` tinyint DEFAULT NULL COMMENT '确认收货方式 1: 用户确认收
      货 99:发货10天自动确认收货',
17      `refund_amount` bigint NOT NULL DEFAULT '0' COMMENT '订单退款金额',
18      `refund_at` bigint DEFAULT NULL COMMENT '退款时间，毫秒时间戳',
19      `cancel_at` bigint DEFAULT NULL COMMENT '取消时间，毫秒时间戳',
20      `cancel_type` tinyint DEFAULT NULL COMMENT '1: 用户取消 2: 客服取消 3: 超时取
      消',
21      `cancel_by` bigint DEFAULT NULL COMMENT '取消人ID， 跟据取消类型判断是用户还是客
      服， -1为系统超时取消',
22      `cancel_reason` varchar(255) CHARACTER SET utf8mb4 COLLATE
      utf8mb4_general_ci DEFAULT NULL COMMENT '取消理由',
23      `create_at` bigint NOT NULL COMMENT '订单创建时间，毫秒时间戳',
```

```sql
24    `create_by` bigint NOT NULL COMMENT '订单创建人ID，根据order_source判断是用户，还
      是客服ID，系统-1'
25    PRIMARY KEY (`id`),
26    UNIQUE KEY `idx_odno` (`order_no`) USING BTREE,
27    KEY `idx_uid` (`user_id`),
28    KEY `idx_create` (`create_at`),
29    KEY `idx_trade_no` (`trade_no`) USING BTREE,
30    KEY `idx_pay_at` (`payment_at`),
31    KEY `idx_osrc` (`order_source`) USING BTREE
32  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci COMMENT='订单
     表';
```

订单对象表

代码块

```sql
1   CREATE TABLE `order_items` (
2     `id` bigint NOT NULL AUTO_INCREMENT,
3     `order_id` bigint NOT NULL,
4     `user_id` bigint NOT NULL,
5     `goods_id` bigint NOT NULL COMMENT '商品ID',
6     `goods_type` tinyint NOT NULL DEFAULT '1' COMMENT '1:课程商品',
7     `quantity` int NOT NULL DEFAULT '1' COMMENT '商品数量',
8     `goods_snap` text CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
    COMMENT '商品快照信息',
9     PRIMARY KEY (`id`),
10    KEY `idx_oid` (`order_id`),
11    KEY `idx_gid` (`goods_id`)
12  ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci COMMENT='订单
     商品对象表';
```

短信模板表

代码块

```sql
1   CREATE TABLE `sms_template` (
2     `id` bigint NOT NULL AUTO_INCREMENT,
3     `scene_code` varchar(128) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci
    NOT NULL COMMENT '场景编码，有意义的英文字符串',
4     `sign_name` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
     NULL COMMENT '短信签名，需去短信平台申请审核',
5     `platform_tmpl_id` int NOT NULL COMMENT '第三方短信平台的模版ID',
6     `tmpl_str` varchar(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
    NULL COMMENT '短信模版内容，该字符串内容可先内置，后续可开放管理后台修改',
7     `status` tinyint NOT NULL DEFAULT '1' COMMENT '默认1: 正常 -1: 禁用',
```

```
 8      `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
 9      `update_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE
    CURRENT_TIMESTAMP,
10      `admin_user_id` bigint NOT NULL DEFAULT '0' COMMENT '管理后台admin_user_id',
11      `platform` char(8) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
    COMMENT 'tencent, ronglian',
12      PRIMARY KEY (`id`) USING BTREE,
13      UNIQUE KEY `uidx_scene` (`scene_code`) USING BTREE
14    ) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_general_ci
    ROW_FORMAT=DYNAMIC COMMENT='短信模板表';
```

云存储的资源文件表

代码块

```
 1    CREATE TABLE `resource_upload_files` (
 2      `id` bigint NOT NULL AUTO_INCREMENT COMMENT '主键ID',
 3      `scene` char(10) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
    COMMENT '业务场景编码',
 4      `file_key` varchar(256) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
    NULL COMMENT '文件key,文件路径',
 5      `user_id` bigint NOT NULL COMMENT '用户id',
 6      `user_type` bigint NOT NULL COMMENT '用户类型',
 7      `file_type` char(8) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT NULL
     COMMENT '文件类型 对应文件后缀',
 8      `file_size` bigint NOT NULL COMMENT '文件大小对应字节数',
 9      `file_name` varchar(128) CHARACTER SET utf8mb4 COLLATE utf8mb4_general_ci NOT
     NULL COMMENT '文件名',
10      `upload_client_ip` varchar(128) CHARACTER SET utf8mb4 COLLATE
    utf8mb4_general_ci NOT NULL DEFAULT '' COMMENT '文件上传端的ip',
11      `create_at` datetime NOT NULL DEFAULT CURRENT_TIMESTAMP COMMENT '文件创建时间=
    上传时间',
12      PRIMARY KEY (`id`) USING BTREE,
13      UNIQUE KEY `uidx_key` (`file_key`) USING BTREE
14    ) ENGINE=InnoDB AUTO_INCREMENT=1 DEFAULT CHARSET=utf8mb4
    COLLATE=utf8mb4_general_ci ROW_FORMAT=DYNAMIC COMMENT='资源文件上传表';
```