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2019-07-29

# 第一节 功能架构图

后台管理系统

微信小程序端

预约

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图片管理

预约管理

关于

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前端网关

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微服务

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图片微服务

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预约微服务

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管理员微服务

coating\_admin

服务类型微服务

coating\_type

店铺微服务

coating\_admin

mysql

# 第二节 各个模块介绍

|  |  |  |  |
| --- | --- | --- | --- |
|  | 模块 | 说明 | 端口 |
| 1 | coating\_common | 存放公共工具类 | 无 |
| 2 | coating\_manager  后台网关 |  | 9998 |
| 3 | coating\_web  前台网关 |  | 9999 |
| 4 | coating\_eureka  注册中心 |  | 10000 |
| 5 | coating\_admin  管理员微服务 |  | 10001 |
| 6 | coating\_appointment  预约微服务 | 服务预约管理 | 10002 |
| 7 | coating\_shop  店铺微服务 | 店铺管理 | 10003 |
| 8 | coating\_picture  图片微服务 | 镀膜店图片管理的微服务 | 10004 |
| 9 | coating\_type  类型微服务 | 镀膜店服务类型管理的微服务 | 10005 |
| 10 | coating\_filesystem  文件系统微服务 | 提供文件上传功能。  会被图片微服务、类型微服务调用来保存图片，返回图片url | 10006 |
| 11 | coating\_tag  图片标签微服务 |  | 10007 |
|  |  |  |  |

前后端jwt传输约定：

Authorization: Deer dfjdksfjelofkdlsgfd

# 第三节 mysql

本项目都使用同一个数据库：coating

## 一、搭建mysql容器

### （一）开发时

测试账号：

id: 1

username : 小米

password: 123

123加密后：  
$2a$10$dTsRNg7bmxDAGi0.KBt9eeC8EcYmc/R9TJMrw/244aO8hy435RTvm

### （二）部署

# 拉取镜像

**docker pull centos/mysql-57-centos7**

# 启动容器

**docker run -di --name=coating\_mysql -p 5660:3306 -e MYSQL\_ROOT\_PASSWORD=dkl485\*JDd5FE\_Lui84e%jns838d574PID67tJHdwI centos/mysql-57-centos7**

# 开启端口

iptables -I INPUT -p tcp -m tcp --dport 5660 -j ACCEPT

iptables -I INPUT -p udp -m udp --dport 5660 -j ACCEPT

iptables-save

## 二、coating\_admin模块数据库、表的创建

### （一）创建表

drop database coating;

CREATE DATABASE `coating` CHARACTER SET utf8 ;

use coating;

|  |
| --- |
| /\*==============================================================\*/  /\* DBMS name: MySQL 5.0 \*/  /\* Created on: 2019/8/12 15:57:16 \*/  /\*==============================================================\*/  drop table if exists appointment;  drop table if exists category;  drop table if exists data;  drop table if exists picture;  drop table if exists picture\_tag;  drop table if exists shop;  drop table if exists slideshow;  drop table if exists tag;  drop table if exists type;  drop table if exists user\_picture;  /\*==============================================================\*/  /\* Table: appointment \*/  /\*==============================================================\*/  create table appointment  (  id varchar(100) not null,  username varchar(100) comment '预约的用户名，默认微信名',  category\_id varchar(100) comment '选择的服务大类',  create\_date datetime comment '创建时间',  appointment\_date datetime comment '预约的时间',  phone varchar(100) comment '预约用户的手机号',  shop\_id varchar(100) comment '预约的店铺',  status int default 1 comment '预约的状态，1：正在服务 2：待处理 3：已完成 4：已过期 ',  primary key (id)  );  alter table appointment comment '预约表';  /\*==============================================================\*/  /\* Table: category \*/  /\*==============================================================\*/  create table category  (  id varchar(100) not null,  name varchar(50) comment '大类的名称',  title varchar(50) comment '标题(大类名称下的一行信息)',  picture\_url varchar(200) comment '大类的图标url',  description varchar(1000),  rank int comment '排列顺序，',  status int default 1 comment '状态，0：弃用 1：使用中',  primary key (id)  );  alter table category comment '大类表  ';  /\*==============================================================\*/  /\* Table: data \*/  /\*==============================================================\*/  create table data  (  id varchar(100) not null,  username varchar(20) comment '管理员name',  password varchar(100) comment '管理员密码',  roles varchar(50) comment '管理员角色 super：超级管理员(只有一个) general：普通管理员',  status int default 1 comment '管理员状态 0：弃用 1：使用中',  primary key (id)  );  alter table data comment '后台管理员表，为了安全不叫amdin';  /\*==============================================================\*/  /\* Table: picture \*/  /\*==============================================================\*/  create table picture  (  id varchar(100) not null,  name varchar(200) comment '图片名',  category\_id varchar(100) comment '图片所属大类',  type\_id varchar(100) comment '图片所属小类（二级分类）',  description varchar(500) comment '图片描述',  uploadDate datetime comment '上传日期',  url varchar(600) comment '图片url',  status int default 1 comment '状态 0：弃用 1：使用中',  primary key (id)  );  alter table picture comment '图片表';  /\*==============================================================\*/  /\* Table: picture\_tag \*/  /\*==============================================================\*/  create table picture\_tag  (  id varchar(100) not null,  tag\_id varchar(100),  picture\_id varchar(100),  primary key (id)  );  /\*==============================================================\*/  /\* Table: shop \*/  /\*==============================================================\*/  create table shop  (  id varchar(100) not null,  name varchar(100) comment '店铺名称',  address varchar(300) comment '店铺地址',  default\_shop int comment '是否是默认的店铺，0：不是 1：是',  status int default 1 comment '店铺状态 0：弃用 1：使用中',  primary key (id)  );  alter table shop comment '店铺表';  /\*==============================================================\*/  /\* Table: slideshow \*/  /\*==============================================================\*/  create table slideshow  (  id varchar(100) not null,  link varchar(100) comment '轮播图指向的链接',  picture\_url varchar(100) comment '轮播图url',  status int comment '轮播图的状态，0：弃用 1：使用中',  primary key (id)  );  alter table slideshow comment '轮播图';  /\*==============================================================\*/  /\* Table: tag \*/  /\*==============================================================\*/  create table tag  (  id varchar(100) not null,  name varchar(100),  status int default 1,  primary key (id)  );  alter table tag comment '标签表  ';  /\*==============================================================\*/  /\* Table: type \*/  /\*==============================================================\*/  create table type  (  id varchar(100) not null,  name varchar(100) comment '二级分类的名称',  title varchar(100),  parent\_id varchar(100) comment '外键，所属的大类',  picture\_url varchar(200) comment '图标url',  description varchar(1000),  status int default 1 comment '二级分类的状态，0：弃用 1：使用中',  primary key (id)  );  alter table type comment '二级分类表';  /\*==============================================================\*/  /\* Table: user\_picture \*/  /\*==============================================================\*/  create table user\_picture  (  id varchar(100) not null,  username varchar(100),  picture\_id varchar(100),  isCollected int,  primary key (id)  );  alter table user\_picture comment '用户图片表，保存用户id、浏览过的图片id';  alter table appointment add constraint FK\_Reference\_1 foreign key (shop\_id)  references shop (id) on delete restrict on update restrict;  alter table appointment add constraint FK\_Reference\_6 foreign key (category\_id)  references category (id) on delete restrict on update restrict;  alter table picture add constraint FK\_Reference\_4 foreign key (category\_id)  references category (id) on delete restrict on update restrict;  alter table picture add constraint FK\_Reference\_5 foreign key (type\_id)  references type (id) on delete restrict on update restrict;  alter table picture\_tag add constraint FK\_Reference\_8 foreign key (picture\_id)  references picture (id) on delete restrict on update restrict;  alter table picture\_tag add constraint FK\_Reference\_9 foreign key (tag\_id)  references tag (id) on delete restrict on update restrict;  alter table type add constraint FK\_Reference\_3 foreign key (parent\_id)  references category (id) on delete restrict on update restrict;  alter table user\_picture add constraint FK\_Reference\_7 foreign key (picture\_id)  references picture (id) on delete restrict on update restrict; |

### （二）插入测试的数据

管理员表：

insert into data (id,username,password,roles) values ("1","小米", "$2a$10$dTsRNg7bmxDAGi0.KBt9eeC8EcYmc/R9TJMrw/244aO8hy435RTvm", "super");

insert into data (id,username,password,roles) values ("1159098855934005248","小明", "$2a$10$EhyMxaCAgFjCTTSrnlefw.5XpX5Edu12EJFMWOI/yjZaksAkupIvK","general");

insert into data (id,username,password,roles) values ("1159099298743455744","小强", "$2a$10$u8e5VuGOxirCGACb78IaM.kv6pH3uDsGGgZx6ve1XPwk/AHZD/AfG", "general");

insert into data (id,username,password,roles) values ("1159099359669915648","小红", "$2a$10$rDb5wohxwe0UoQQBBRYtK.1zjUxjofs..kkWGjAZ/pjsGFHdybdaK", "general");

insert into data (id,username,password,roles) values ("1159099808850513920","小李", "$2a$10$jWayxjlsroY30IiMiEl6QeOVV5ABxn6diYAcP1J2vxbxnsq1/dIHm", "general");

INSERT INTO shop (id,name,address, default\_shop) VALUES ("1","南区店","幸福路",1),("2","北区店","希望路",0),("3","东区路","自由路”,0),("4","西贡店","向上路",0);

insert into category (id,name,title,rank) values ("1", "波鞋-皮鞋","特色防水",1);

insert into category (id,name,title,rank) values ("2", "手袋-包包-皮革","特色防水",2);

insert into category (id,name,title,rank) values ("3", "手表-首飾-金屬", "特色防水",3);

insert into category (id,name,title,rank) values ("4", "銅器-銀器-產品" ,"抗氧化",4);

insert into category (id,name,title,rank) values ("5", "手機-電子器件", "特色防水",5);

insert into category (id,name,title,rank) values ("6", "皮料翻新","磨砂皮 其他皮料",6);

insert into type (id,name,title,parent\_id,status) values ("1", "波鞋","特色防水",1,1);

insert into type (id,name,title,parent\_id,status) values ("2", "皮鞋","特色防水",1,1);

insert into type (id,name,title,parent\_id,status) values ("3", "手袋","特色防水",2,1);

insert into type (id,name,title,parent\_id,status) values ("4", "包包","特色防水",2,1);

insert into type (id,name,title,parent\_id,status) values ("5", "皮革","特色防水",2,1);

insert into type (id,name,title,parent\_id,status) values ("6", "手表","特色防水",3,1);

insert into type (id,name,title,parent\_id,status) values ("7", "首飾","特色防水",3,1);

insert into type (id,name,title,parent\_id,status) values ("8", "金屬","特色防水",3,1);

insert into type (id,name,title,parent\_id,status) values ("9", "銅器","抗氧化",4,1);

insert into type (id,name,title,parent\_id,status) values ("10", "銀器","抗氧化",4,1);

insert into type (id,name,title,parent\_id,status) values ("11", "產品","抗氧化",4,1);

insert into type (id,name,title,parent\_id,status) values ("12", "手機","特色防水",5,1);

insert into type (id,name,title,parent\_id,status) values ("13", "電子器件","特色防水",5,1);

insert into type (id,name,title,parent\_id,status) values ("14", "磨砂皮","特色防水",6,1);

insert into type (id,name,title,parent\_id,status) values ("15", "其他皮料","特色防水",6,1);

insert into tag (id,name,status) values ("1", "防水",1);

insert into tag (id,name,status) values ("2", "耐磨",1);

insert into tag (id,name,status) values ("3", "抗氧化",1);

insert into tag (id,name,status) values ("4", "抛光",1);

insert into tag (id,name,status) values ("5", "除锈",1);

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id)values("1","xiaomi","1","2019-08-01 16:09:00","2019-08-020 16:00:00","18812345678","2");

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id)values("2","amy","1","2019-08-01 16:09:00","2019-08-020 16:00:00","18812345678","2");

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id) values("3","walden","4","2019-08-01 16:09:00","2019-08-020 16:00:00","18812345678","2");

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id)values("4","alen","1","2019-08-01 16:09:00","2019-08-020 16:00:00","18812345678","3");

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id)values("5","tom","3","2019-08-01 16:09:00","2019-08-020 16:00:00","18812345678","4");

insert into appointment (id,username,category\_id,create\_date,appointment\_date,phone,shop\_id) values("6","jack","2","2019-08-01 16:09:00","2019-08-020 16:00:00","17012345678","1");

# 第四节 coating\_admin模块

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| id | varchar(100) | NO | PRI | NULL | |

| username | varchar(20) | YES | | NULL | |

| password | varchar(100) | YES | | NULL | |

| roles | varchar(50) | YES | | NULL | |

| status | int(11) | YES | | 1 | |

+----------+--------------+------+-----+---------+-------+

管理员表

|  |  |  |
| --- | --- | --- |
| data表 |  |  |
| 列 | 类型 | 备注 |
| id | varchar(100) not null, | primary key (id) |
| username | varchar(20) | comment '管理员name', |
| password | varchar(100) | comment '管理员密码', |
| roles | varchar(50) | comment '管理员角色 super：超级管理员(只有一个) general：普通管理员', |
| status | int default 1 | comment '管理员状态 0：弃用 1：使用中', |

管理员分为超级管理员和普通管理员：

超级管理员拥有对所有普通管理员的增删改查权限

其他权限都两者都相同