

## 一、接口说明

表格 1 各模块的接口说明

模块	函数	说明
Ufunlist/views.py	personal_info	生成导航栏全局信息，包括账户、大学、url 等
	get_oa	从吉大 oa 上获取校内通知
	mainpage	生成主页 html
	about	生成 about 页的 html
	details	生成 post 详情页的 html
	like	处理用户收藏操作的请求
account/views.py	info	从数据库读取用户的个人信息
	login	处理用户的登陆请求
	register	处理用户的注册请求
	logout	处理用户的登出请求
	verify_email	生成验证码，验证用户邮箱是否有效
	verify_username	验证用户名的有效性
	changepassword	处理用户修改密码请求
	verify_changepw_email	验证修改密码邮箱的有效性
	center	生成个人中心 html
	update	更新用户个人信息
	get_info	处理前端获取用户信息的请求
	delpost	删除用户的发布
forum/views.py	get_page	处理获取某页论坛帖子的请求
	reply	生成论坛帖子详情页的 html
	post	发布各类帖子
	new_reply	回复某帖
	reply_to_host	处理回复楼主的请求
search/views.py	global_search	主页的全局搜索
	search	在某一类中进行搜索
	get_page	获取搜索结果的某一页显示

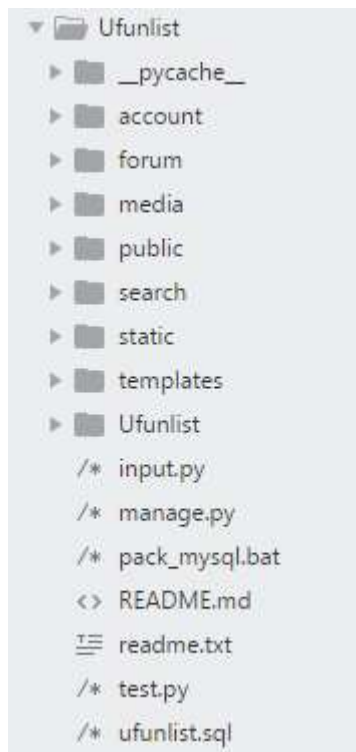
## 二、开发环境

1. Window10 操作系统
2. MySQL5.7 (community)
  - 1) 在 <https://dev.mysql.com/downloads/installer/> 下载对应操作系统的版本
  - 2) 安装, 一路“下一步”即可, root 账号的密码设置成 123456 (和 Ufunlist/settings.py 中的 DATABASES 保持一致)
  - 3) 设置环境变量
  - 4) 如遇其他问题, 请自行百度或 Google
3. Python3.6
  - 1) Python 官网下载安装包, 安装
  - 2) 安装完成后设置环境变量
4. Django1.11

- 1) Pip 命令'pip install Django'安装 Django
- 2) 安装 MySQL 驱动, 输入'pip install mysqlclient'
5. 代码编辑器 sublime text 3
  - 1) 使用 IDE 或编辑器看个人喜好
6. 前端 bootstrap 库 v4.0.0-beta.2
  - 1) 包含在 static/中, 无需另外下载安装

### 三、开发者使用说明

- 1) 源码在 Ufunlist.zip (<https://codecademy.github.com/chentianba/Ufunlist/zip/master> 中也可以下载, 顶层 Ufunlist 就叫 Ufunlist-master 了) 中, 自行解压, 目录结构如下



- 2) 进入顶层 Ufunlist 下的命令行, 输入'mysql -u root -p', 回车, 输入 root 账号的密码, 回车后进入 mysql
- 3) 'create database ufunlist;'创建名为 ufunlist 的数据库, 'use ufunlist;'使用 ufunlist 数据库, 'source ufunlist.sql;'导入 ufunlist.sql 中的表结构数据, 'exit'离开 mysql
- 4) 修改 Ufunlist/settings.py 中的 DATABASES 中的 NAME、USER、PASSWORD 为开发者自己的设置
- 5) 修改 Ufunlist/settings.py 中的 ALLOW\_HOSTS 为当前的 IP (也可以设置为空, 表示本地访问)
- 6) 在顶层 Ufunlist 目录下运行命令'python manage.py runserver 0:8000', 服务器开始启动

```
E:\data\chrome下载\Ufunlist-master>python manage.py runserver 0:8000
Performing system checks...

System check identified no issues (0 silenced).
November 30, 2017 - 11:02:07
Django version 1.11.6, using settings 'Ufunlist.settings'
Starting development server at http://0:8000/
Quit the server with CTRL-BREAK.
```

- 7) 在浏览器地址栏输入'http://your\_ip:8000/' (your\_ip 为当前电脑的 ip 或 localhost 本地访问)



#### 四、数据库设计

表格 2 public/models.py 中的表结构

类名	数据库表名	建表 SQL 语句
University	public_university	<pre>CREATE TABLE `public_university` (   `id` bigint(20) NOT NULL AUTO_INCREMENT,   `name` varchar(48) NOT NULL,   `province` varchar(32) NOT NULL,   `city` varchar(32) NOT NULL,   `regstunum` int(10) unsigned NOT NULL,   PRIMARY KEY (`id`),   UNIQUE KEY `name` (`name`) ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8</pre>
Userdetail	public_userdetail	<pre>CREATE TABLE `public_userdetail` (   `id` bigint(20) NOT NULL AUTO_INCREMENT,   `stuid` varchar(16) DEFAULT NULL,   `gender` int(10) unsigned NOT NULL,   `name` varchar(32) DEFAULT NULL,   `universityid_id` bigint(20) DEFAULT NULL,   `user_id` int(11) NOT NULL,   PRIMARY KEY (`id`),   UNIQUE KEY `user_id` (`user_id`),   KEY `public_userdetail_universityid_id_50566efb_fk_public_un` (`universityid_id`),   CONSTRAINT `public_userdetail_universityid_id_50566efb_fk_public_un` FOREIGN KEY (`universityid_id`) REFERENCES `public_university` (`id`),   CONSTRAINT `public_userdetail_user_id_c5ef32e0_fk_auth_user_id` FOREIGN KEY (`user_id`) REFERENCES `auth_user` (`id`)</pre>

		) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf8
Log	public_log	CREATE TABLE `public_log` ( `id` bigint(20) NOT NULL AUTO_INCREMENT, `ip` char(39) NOT NULL, `action` int(10) unsigned NOT NULL, `time` datetime(6) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), KEY `public_log_userid_id_4c713757_fk_auth_user_id` (`userid_id`), CONSTRAINT `public_log_userid_id_4c713757_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=38 DEFAULT CHARSET=utf8
Category	public_category	CREATE TABLE `public_category` ( `id` bigint(20) NOT NULL AUTO_INCREMENT, `name` varchar(48) NOT NULL, `isforum` tinyint(1) NOT NULL, `parentid_id` bigint(20) DEFAULT NULL, PRIMARY KEY (`id`), UNIQUE KEY `name` (`name`), KEY `public_category_parentid_id_eedd4a6e_fk_public_cat` `egory_id` (`parentid_id`), CONSTRAINT `public_category_parentid_id_eedd4a6e_fk_public_cat` `egory_id` FOREIGN KEY (`parentid_id`) REFERENCES `public_category` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=22 DEFAULT CHARSET=utf8
Post	public_post	CREATE TABLE `public_post` ( `id` bigint(20) NOT NULL AUTO_INCREMENT, `time` datetime(6) NOT NULL, `deadtime` datetime(6) NOT NULL, `maintitle` longtext NOT NULL, `subtitleid` int(10) unsigned NOT NULL, `subtitle` longtext NOT NULL, `content` longtext NOT NULL, `haspicture` int(10) unsigned NOT NULL, `popularity` int(10) unsigned NOT NULL, 

		<pre> `activetime` int(10) unsigned NOT NULL, `replymethodid` int(10) unsigned NOT NULL, `replymethod` varchar(48) NOT NULL, `state` int(10) unsigned NOT NULL, `categoryid_id` bigint(20) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), KEY `public_post_categoryid_id_92b15779_fk_public_category_id` (`categoryid_id`), KEY `public_post_userid_id_3ff556ae_fk_auth_user_id` (`userid_id`), CONSTRAINT `public_post_categoryid_id_92b15779_fk_public_category_id` FOREIGN KEY (`categoryid_id`) REFERENCES `public_category` (`id`), CONSTRAINT `public_post_userid_id_3ff556ae_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=103 DEFAULT CHARSET=utf8 </pre>
Forumpost	public_forumpost	<pre> CREATE TABLE `public_forumpost` (   `id` bigint(20) NOT NULL AUTO_INCREMENT,   `title` longtext,   `content` longtext NOT NULL,   `time` datetime(6) NOT NULL,   `categoryid_id` bigint(20) NOT NULL,   `parentid_id` bigint(20) DEFAULT NULL,   `userid_id` int(11) NOT NULL,   PRIMARY KEY (`id`),   KEY `public_forumpost_categoryid_id_0a14b1a5_fk_public_category_id` (`categoryid_id`), KEY `public_forumpost_parentid_id_b52f66db_fk_public_forumpost_id` (`parentid_id`), KEY `public_forumpost_userid_id_01689bbb_fk_auth_user_id` (`userid_id`), CONSTRAINT `public_forumpost_categoryid_id_0a14b1a5_fk_public_category_id` FOREIGN KEY (`categoryid_id`) </pre>

		<p>REFERENCES `public_category` (`id`),  CONSTRAINT  `public_forumpost_parentid_id_b52f66db_fk_public_forumpost_id` FOREIGN KEY (`parentid_id`) REFERENCES `public_forumpost` (`id`),  CONSTRAINT  `public_forumpost_userid_id_01689bbb_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`)  ) ENGINE=InnoDB AUTO_INCREMENT=21 DEFAULT CHARSET=utf8</p>
Picture	public_picture	<p>CREATE TABLE `public_picture` (  `id` int(11) NOT NULL AUTO_INCREMENT,  `name` varchar(48) NOT NULL,  `path` varchar(64) NOT NULL,  `postid_id` bigint(20) NOT NULL,  PRIMARY KEY (`id`),  UNIQUE KEY  `public_picture_postid_id_path_name_7d8fe82a_uniq`  (`postid_id`,`path`,`name`),  CONSTRAINT  `public_picture_postid_id_0ccbd9f9_fk_public_post_id`  FOREIGN KEY (`postid_id`) REFERENCES `public_post` (`id`)  ) ENGINE=InnoDB AUTO_INCREMENT=18 DEFAULT CHARSET=utf8</p>
Userlikepost	public_userlikepost	<p>CREATE TABLE `public_userlikepost` (  `id` int(11) NOT NULL AUTO_INCREMENT,  `postid_id` bigint(20) NOT NULL,  `userid_id` int(11) NOT NULL,  PRIMARY KEY (`id`),  UNIQUE KEY  `public_userlikepost_userid_id_postid_id_928d50b3_uniq`  (`userid_id`,`postid_id`),  KEY  `public_userlikepost_postid_id_2534f939_fk_public_post_id`  (`postid_id`),  CONSTRAINT  `public_userlikepost_postid_id_2534f939_fk_public_post_id` FOREIGN KEY (`postid_id`) REFERENCES `public_post` (`id`),  CONSTRAINT  `public_userlikepost_userid_id_c4d6c71a_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user`</p>

		(`id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8
Userphonenum	public_userphonenum	CREATE TABLE `public_userphonenum` ( `id` int(11) NOT NULL AUTO_INCREMENT, `phonenum` varchar(32) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), UNIQUE KEY `userid_id` (`userid_id`), CONSTRAINT `public_userphonenum_userid_id_51243fad_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8
Useremail	public_useremail	CREATE TABLE `public_useremail` ( `id` int(11) NOT NULL AUTO_INCREMENT, `email` varchar(254) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), UNIQUE KEY `userid_id` (`userid_id`), CONSTRAINT `public_useremail_userid_id_258d8dca_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB DEFAULT CHARSET=utf8
Uerqq	public_userqq	CREATE TABLE `public_userqq` ( `id` int(11) NOT NULL AUTO_INCREMENT, `qq` varchar(32) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), UNIQUE KEY `userid_id` (`userid_id`), CONSTRAINT `public_userqq_userid_id_05c49074_fk_auth_user_id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8
Userwechat	public_userwechat	CREATE TABLE `public_userwechat` ( `id` int(11) NOT NULL AUTO_INCREMENT, `wechat` varchar(48) NOT NULL, `userid_id` int(11) NOT NULL, PRIMARY KEY (`id`), UNIQUE KEY `userid_id` (`userid_id`), CONSTRAINT

		<pre> `public_userwechat_userid_id_d4bdce70_fk_auth_user_ id` FOREIGN KEY (`userid_id`) REFERENCES `auth_user` (`id`) ) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8 </pre>
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表格 3 临时数据库表

类名	数据库表名	建表 SQL 语句
RegVerify	account_passwordverify	<pre> CREATE TABLE `account_passwordverify` (   `id`      bigint(20)      NOT      NULL   AUTO_INCREMENT,   `email`   varchar(254) NOT NULL,   `code`    varchar(6) NOT NULL,   `deadline` datetime(6) NOT NULL,   PRIMARY KEY (`id`),   UNIQUE KEY `email` (`email`) ) ENGINE=InnoDB AUTO_INCREMENT=7 DEFAULT CHARSET=utf8 </pre>
PasswordVerify	account_regverify	<pre> CREATE TABLE `account_regverify` (   `id`      bigint(20)      NOT      NULL   AUTO_INCREMENT,   `email`   varchar(254) NOT NULL,   `code`    varchar(6) NOT NULL,   `deadline` datetime(6) NOT NULL,   PRIMARY KEY (`id`),   UNIQUE KEY `email` (`email`) ) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8 </pre>