# 派单易后端概述文档

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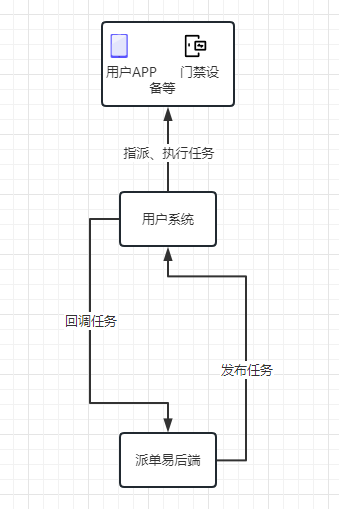
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# 项目业务功能概述

派单易后端对接邻里互助app用户系统。派单易后端负责收集任务相关参数发送给用户系统，并获取返回

# 2.项目架构设计

## 2.1 总架构



## 2.2 子模块设计

任务模板设计：

任务id id

系统生成任务的id

任务内容 TaskContent

任务详细描述 task\_content

任务模式 TaskMode

固定进阶任务 FIXED\_ADVANCED\_TASK 不定期发布的连环任务，上下任务衔接

每日任务 DAILY\_TASK 每天定时刷新

...

任务类型 TaskType

举报任务 REPORT

拉人入群任务 INVITE

...

目标值 goal\_value

0/N N=1/2/3....

可处理人列表 handlers

由谁或哪些人来执行/处理任务

成功处理人 success\_member

谁完成了任务

举报单号(举报任务专有) order\_number

系统生成的一串编码

任务id task\_id

系统生成的任务编号

任务状态 status

通过 初始 驳回 处理中 延期

下一个任务 next\_task

固定进阶任务，确定是否衔接下一个任务

任务结果 result

暂无

...

额外字段 extra

暂无

...

# 3.项目功能概述/可调用接口

根据派单系统中的路由文件(dispatch/centre/urls.py)概括:

| **名称** | **描述** |
| --- | --- |
| query-service-order-list | 派单平台查询服务单 |
| query-merchant/<int:service\_order\_id> | 派单平台查询服务商 |
| add-service-order | 增加服务单 |
| add-merchant | 服务商注册 |
| online-merchant/<int:merchant\_id> | 服务商上线 |
| who-is-merchant-from-order/<str:order\_number> | 查询某个单的服务商是谁 |
| offline-merchant | 服务商下线(一般应该在关闭APP时调用) |
| stashed-merchant/<int:merchant\_id> | 服务商隐匿, 服务商主动设置为不可接单的状态 |
| dispatch/<int:service\_order\_id>/<int:merchant\_id> | 派单平台发起派单 |
| refuse/<int:pk> | 服务商拒绝接单 |
| confirm/<int:pk> | 服务商确认接单 |
| chargeback/<int:pk> | 退单 |
| back-service-order/<int:pk> | 退单给平台重新分配 |
| done/<int:pk> | 完成服务单 |
| query-order-for-merchant/<int:pk> | 抢单大厅查询服务单 |
| grab-order/<int:service\_order\_id>/<int:merchant\_id> | 抢单 |
| merchant-report-location/<int:merchant\_id> | 服务商上报位置 |
| query-self-service-order | 查找自己被分配的服务单(所有) |
| add-task-publish | 添加举报任务 |
| query-detail-invite-taskpublish | 查询CMO拉人进群任务 |
| detail-task-publish | 查询指定任务 |
| handle-task-publish | 处理任务 |
| callback-task-publish | 回调任务 |

# 数据库表设计

任务模板表TaskTemplate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id(主键) | integer |  | √ | √ |
| target\_num(目标值) | integer |  |  |  |
| task\_content(任务内容) | varchar | 512 |  |  |
| task\_name(任务名称) | varchar | 20 |  |  |
| task\_type(任务类型) | varchar | 32 |  |  |
| previous\_task |  |  |  |  |

任务发布单模型表TaskPublish

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| target\_num | integer |  |  |  |
| task\_content | varchar | 512 |  |  |
| task\_name | varchar | 20 |  |  |
| task\_type | varchar | 32 |  |  |
| previous\_task |  |  |  |  |

auth\_group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| name | character varying | 150 | √ |  |

Auth\_group\_permissions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| group\_ip | integer |  | √ |  |
| permission\_id | integer |  | √ |  |

auth\_permission

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| name | character varying | 255 | √ |  |
| content\_type\_id | integer |  | √ |  |
| codename | character varying | 100 | √ |  |

auth\_user

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| password | character varying | 128 | √ |  |
| last\_login | timestamp with time zone |  |  |  |
| is\_superuser | boolean |  | √ |  |
| username | character varying | 150 | √ |  |
| first\_name | character varying | 150 | √ |  |
| last\_name | character varying | 150 | √ |  |
| email | character varying | 254 | √ |  |
| is\_staff | boolean |  | √ |  |
| is\_active | boolean |  | √ |  |
| date\_joined | timestamp with time zone |  | √ |  |

auth\_user\_groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| user\_id | integer |  | √ |  |
| group-id | integer |  | √ |  |

auth\_user\_user\_permissions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| user\_id | interger |  | √ |  |
| permission\_id | interger |  | √ |  |

center\_taskcontent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| task\_content | character varying | 255 | √ |  |

django\_admin\_log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| action\_time | timestamp with time zone |  | √ |  |
| object\_id | text |  |  |  |
| object\_repr | character varying | 200 | √ |  |
| action\_flag | smallint |  | √ |  |
| change\_message | text |  | √ |  |
| content\_type\_id | integer |  |  |  |
| User\_id | integer |  | √ |  |

django\_content\_type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | integer |  | √ | √ |
| app\_label | character varying | 100 | √ |  |
| model | character varying | 100 | √ |  |

django\_migrations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| app | character varying | 255 | √ |  |
| name | character varying | 255 | √ |  |
| applied | timestamp with time zone |  | √ |  |

django\_session

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| session\_key | bigint | 40 | √ | √ |
| session\_date | text |  | √ |  |
| expire\_date | timestamp with time zone |  | √ |  |

merchant\_unit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| name | character varying |  |  |  |
| user\_id | integer |  | √ |  |
| position | text |  | √ |  |
| status | character varying |  | √ |  |
| categories | jsonb |  | √ |  |

service\_order

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| title | character varying | 128 | √ |  |
| number | character varying | 32 | √ |  |
| area | character varying | 20 |  |  |
| price | integer |  | √ |  |
| effective | boolean |  | √ |  |
| user\_id | integer |  | √ |  |
| position | text |  | √ |  |
| category | character varying | 64 | √ |  |
| community\_slug | character varying | 64 |  |  |
| service\_area | character varying | 7 | √ |  |
| extra | jsonb |  |  |  |

service\_record

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| status | character varying | 10 | √ |  |
| merchant\_id | bigint |  |  |  |
| service\_order\_id | bigint |  |  |  |

task\_publish

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| handlers | jsonb |  | √ |  |
| success\_member | character varying | 32 | √ |  |
| order\_number | character varying | 32 |  |  |
| task\_id | character varying | 32 | √ |  |
| task\_type | character varying | 32 | √ |  |
| status | character varying | 32 | √ |  |
| extra | jsonb |  |  |  |
| result | jsonb |  |  |  |
| goal\_value | integer |  |  |  |
| next\_task\_id | bigint |  |  |  |
| task\_content\_id | bigint |  |  |  |

user\_and\_community

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 列 | 数据类型 | 长度/精度 | 不为NULL | 主键 |
| Id | bigint |  | √ | √ |
| community\_slug | character varying | 64 | √ |  |
| user\_id | integer |  | √ |  |

# 5.通信方式

本接口基于 HTTP GET/POST方式的通信方式，请求和返回数据是JSON，使用UTF-8编码

# 可调用接口

# 注意事项

# 附录

## 返回代码表

|  |  |
| --- | --- |
| 返回码 | 描述 |
|  |  |
|  |  |
|  |  |
|  |  |