

启动流程

1. manage.py 命令行启动入口 python manage.py [命令]
2. settings.py 配置文件
3. urls.py 定义url
4. wsgi.py 定义WSGI应用入口web应用

核心

- Django处理 request 逻辑处理返回 HttpResponse
- 通过中间件处理 HttpResponse
- app 处理逻辑调用 app 处理器
- urlpatterns 定义 urls.py 定义的 url 映射到处理器url处理器

```
from django.contrib import admin
from django.http import HttpResponseRedirect
from django.urls import path
## 核心
def welcome(request):
    return HttpResponseRedirect("Welcome to DjangoProject")
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', welcome)
]
```

- 通过 python manage.py runserver
- 通过 app python manage.py startapp [app名称]

URL配置

- 定义url
- 通过 request.GET.get 方式 http://127.0.0.1:8000/app1?id=3 调用3方法
- 通过直接访问 http://127.0.0.1:8000/app1/ 直接 /app1/<book_name> 定义path参数
- /app1/<book_name> book_namebook_name /app1/<int:book_id>

```
## app1/views.py
from django.http import HttpResponseRedirect
from django.shortcuts import render

def book_id(request):
    id = request.GET.get('id')
    return HttpResponseRedirect(f"book_id{id}")

def book_name(request,book_name)
    return HttpResponseRedirect(f'book_name{book_name}')

## urls.py
from django.contrib import admin
from django.http import HttpResponseRedirect
```

```

from django.urls import path
## app1\views.py
from app1 import views
def welcome(request):
    return HttpResponse("Welcome to DjangoProject")
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', welcome),
    # http://127.0.0.1:8000/app1?id=3
    path('app1/',views.book_id),
    # http://127.0.0.1:8000/app1/1
    path('app1/<book_name>',views.book_name)
]

```

path()

- path(route,view,name=None,kwarg=None)
 - route URL 路径
 - view 函数名
 - name URL 名称

include

- include 从其他应用 urls.py 引入

```

# app2/urls.py

from django.urls import path
from . import views
urlpatterns = [
    path('list/', views.movie_list, name='movie_list'),
    path('detail/<int:movie_id>', views.movie_detail, name='movie_detail')
]

# app2/views.py

from django.http import HttpResponse
from django.shortcuts import render

def movie_list(request):
    return HttpResponse('电影列表')

def movie_detail(request,movie_id):
    return HttpResponse(f'电影ID{id}{movie_id}')


# urls.py
from django.contrib import admin
from django.http import HttpResponse
from django.urls import path,include
from app1 import views
import app2

```

```
urlpatterns = [
    # app2
    path('app2/', include("app2.urls"))
]
```

URL

- `reverse` URL URL
 - `book_id_search` URL URL

```
def welcome(request):
    print(reverse('book_id_search'))
    print(reverse('book_name_search', kwargs={'book_name': 'sanguoyanyi'}))
    return HttpResponse("Welcome to DjangoProject")

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', welcome),
    # http://127.0.0.1:8000/app1?id=3
    path('app1/', views.book_id, name='book_id_search'),
    # http://127.0.0.1:8000/app1/1
    path('app1/<book_name>', views.book_name, name='book_name_search'),
    # app2
    path('app2/', include("app2.urls"))
]
```

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