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1. `manage.py` □□□□□□□□□□□□□□□□□□□□ `python manage.py [□□□]`
2. `settings.py` □□□□□□□□□
3. `urls.py` □□□□url□□□
4. `wsgi.py` □□□□□WSGI□□□□□web□□□□□□

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- Django□□□□□□□□ `request` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□ `HttpResponse` □□□
- `app` □□□□□□□□□□□□□□□□□□□ `app` □□□□□□
- `urlpatterns` □□□□□□ `urls.py` □□□□□□□ `url` □□□□□□□□□□□□□□□□□url□□□□□□□□□□□

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

- □□□ `python manange.py runserver`
- □□app□ `python manage.py startapp [app□□]`

URL□□□□

- □□□□□□□□□□□□□□□□□
  - □□ `request.GET.get` □□□□□□□□□ `http://127.0.0.1:8000/app1?id=3` □□□□3□□□□□
  - □□□□□□□□□□□□□ `http://127.0.0.1:8000/app1/□□□□` □□□ `/app1/<book_name>` □□□□□□path□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
    - `/app1/<book_name>` □□□□□book_name□□□□□□□□□□□ `/app1/<int:book_id>`

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

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

def book_name(request,book_name)
    return HttpResponse(f'□□□□□□□□□□{book_name}')



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

```python
from django.urls import path
## 导入app1的views
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方法

- `path(route,view,name=None,kwargs=None)`
  - route url
  - view
  - name url

- 使用 `include` urls 调用app的 urls.py

```python
# 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'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"))
]
```


- 通过 reverse url
  - url

```python
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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