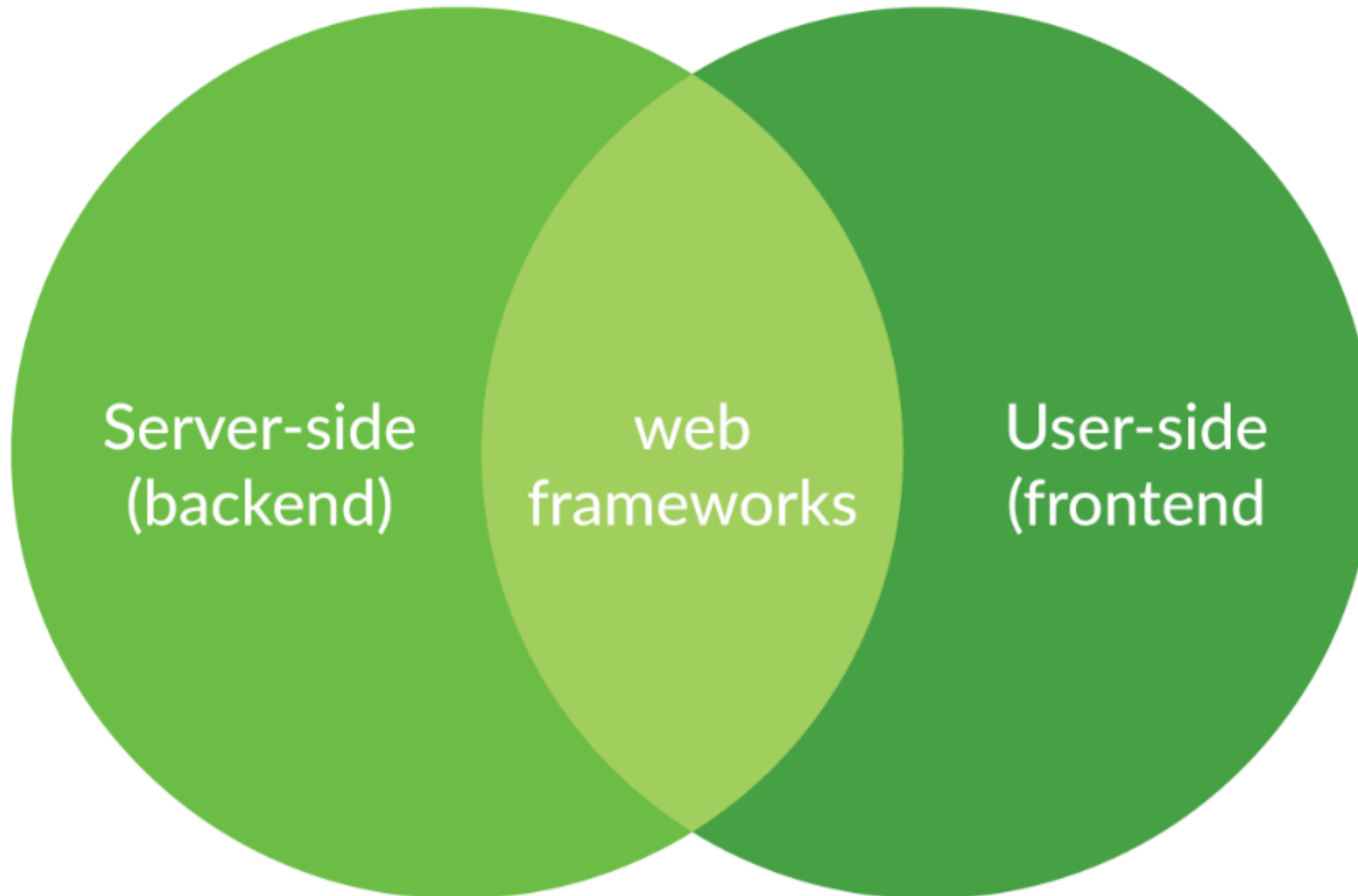


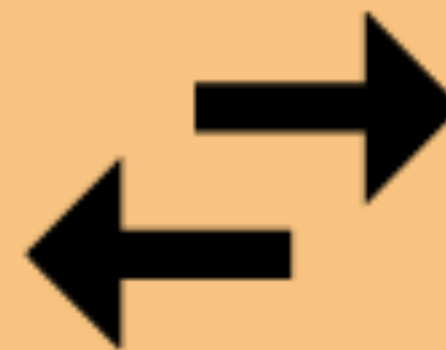
## WEB FRAMEWORKS



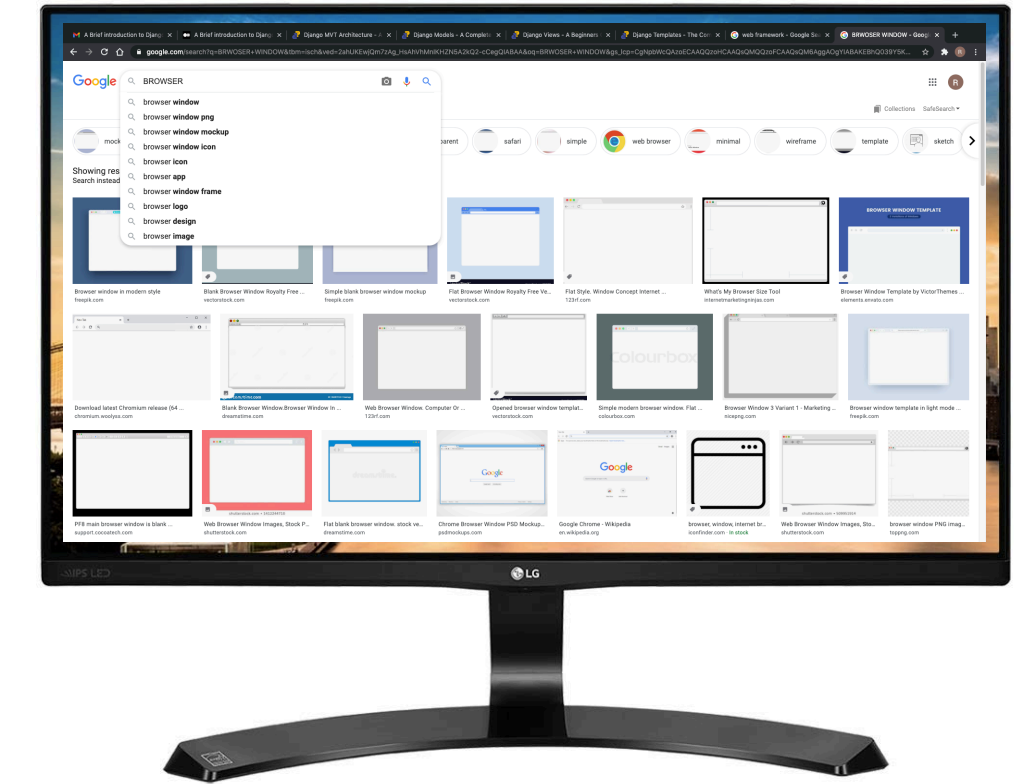
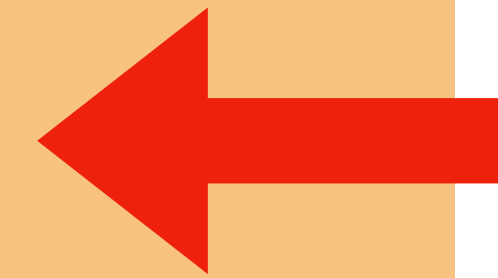
# SOFTWARE ARCHITECTURE MODEL-VIEW-CONTROLLER



**MODEL**



**VIEWS**



**CONTROLLER**

# SOFTWARE ARCHITECTURE MODEL-VIEW-TEMPLATE

## DJANGO FRAMEWORK



URL



VIEWS

MODEL



TEMPLATES



DJANGO  
PROJECT & APPS

MAIN PROJECT

```
($ python manage.py startproject <new_proj_name>)
```

MULTIPLE APPS WITHIN PROJECT

```
($ python manage.py startapp <new_app_name>)
```

APP\_1

APP\_2

APP\_3

...

APP\_N

SOME SUPPORTING PROJECT FILES  
(unique to a project)

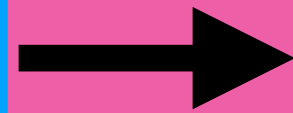
SETTINGS.PY

URLS.PY

DJANGO  
URLS.PY & VIEWS.PY

`views.py`

URL PATTERNS



HANDLER  
FUNCTIONS



HANDLE ROUTE  
LOGIC

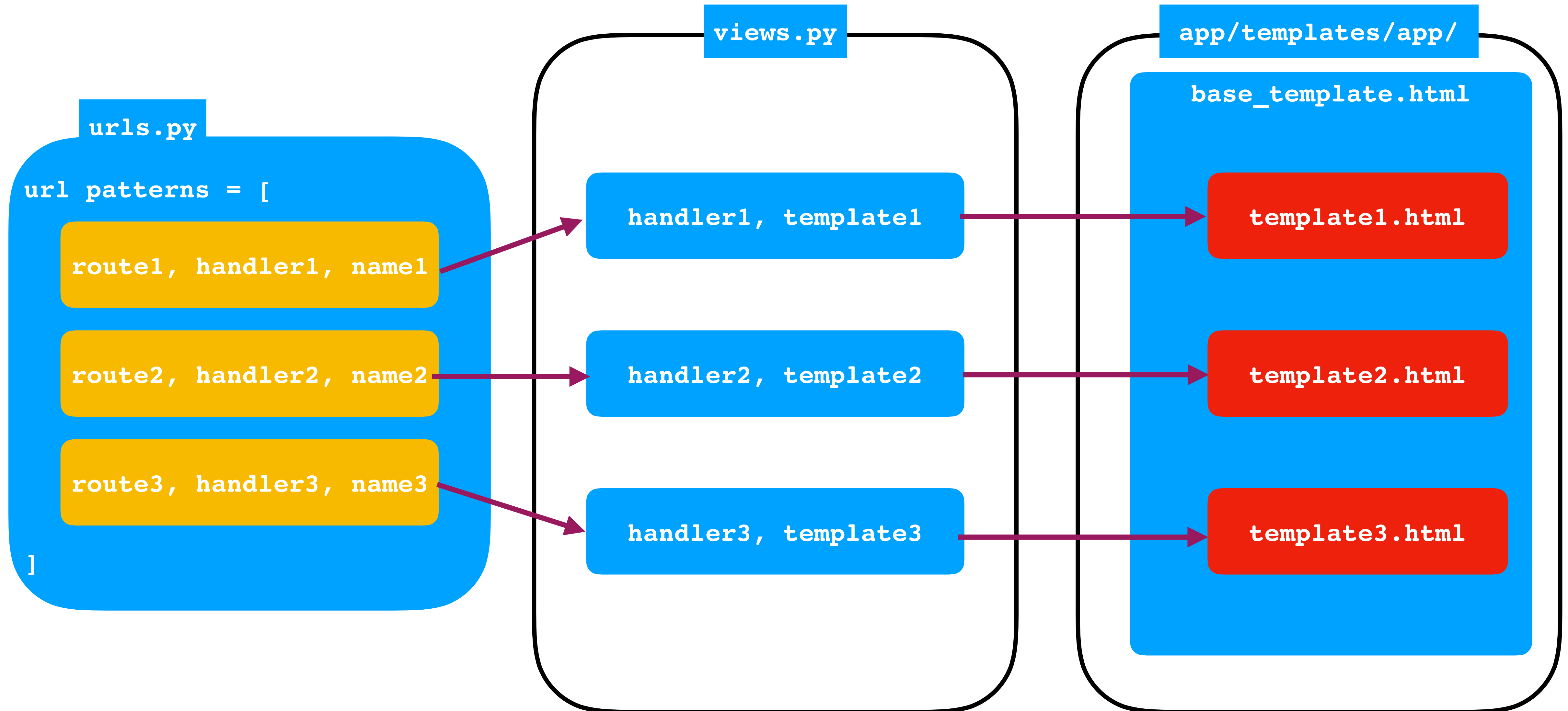


RENDER  
TEMPLATES

## APP ROUTER

## APP CONTROLLERS/HANDLERS

## APP FRONT-END TEMPLATES



## template files

template\_path/home.html

template\_path/about.html

template\_path/other\_template.html

## views.py

```
from django.shortcuts import render
<other imports>

def home(request):
    context = {...}
    return render(request, 'template_path/home.html', context)

def about(request):
    context = {...}
    return render(request, 'template_path/about.html', context)

def other_template(request):
    context = {...}
    return render(request, 'template_path/another_template.html', context)
```

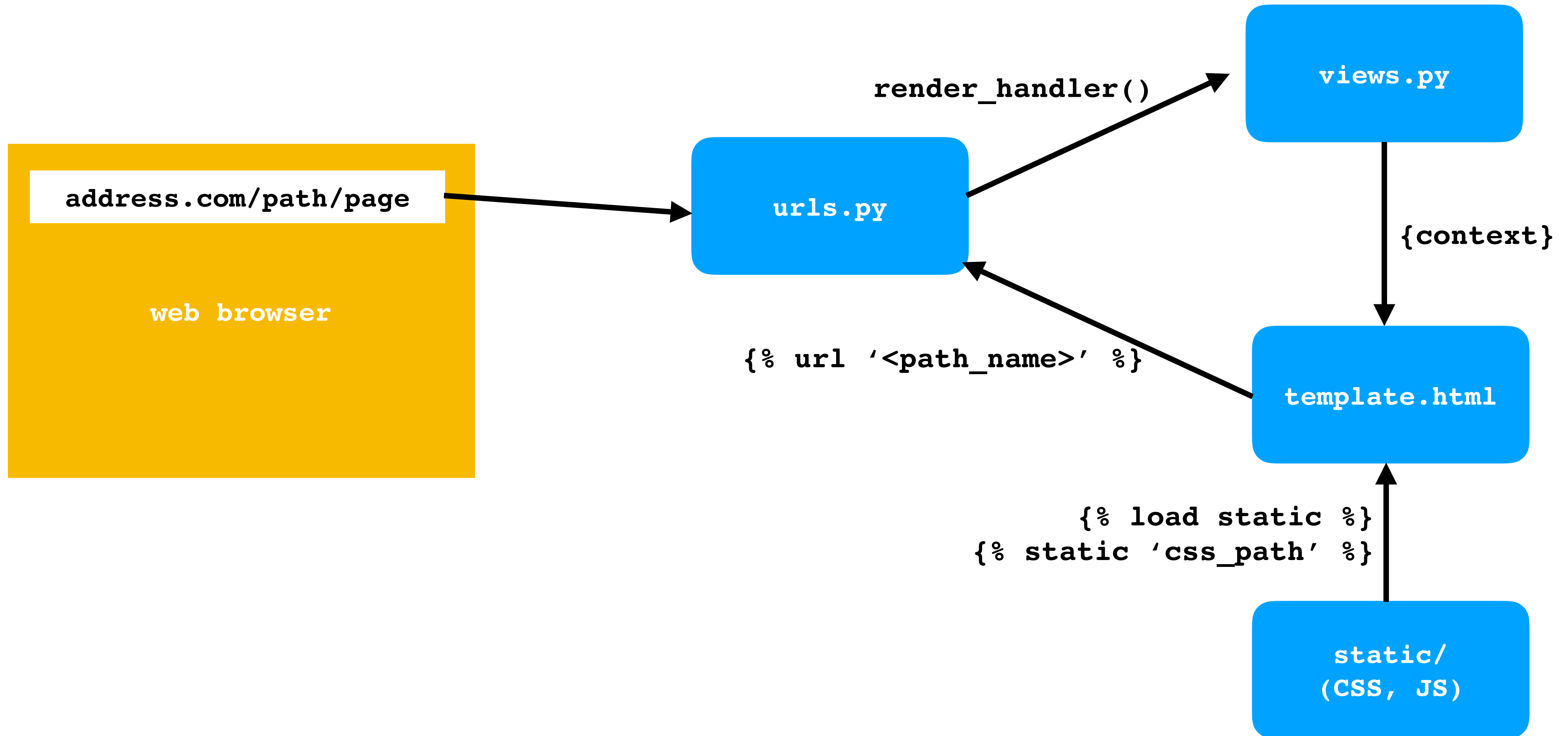
## urls.py

```
from django.urls import path
from . import views
<other imports>

url patterns = [
    path('', views.home, name='blog-home')
    path('about/', views.about, name='blog-about')
    path('<another_path>', views.other_temaplate, ...)
]
```

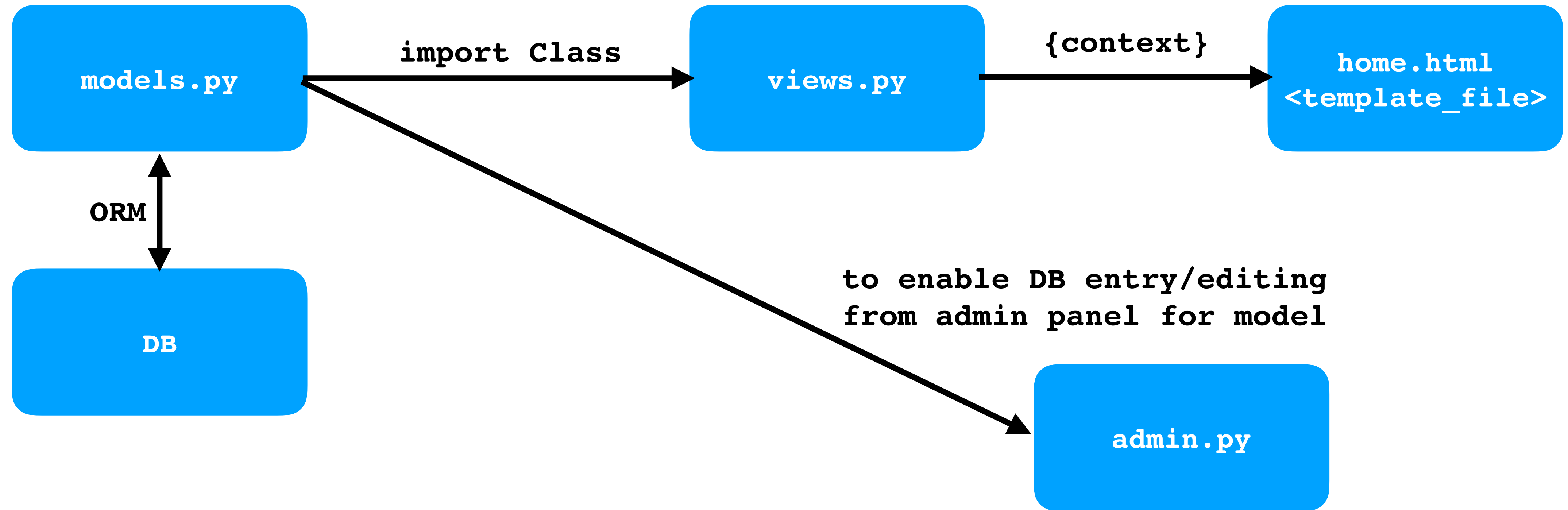
# DJANGO

## BASIC VIEW HANDLING FLOW





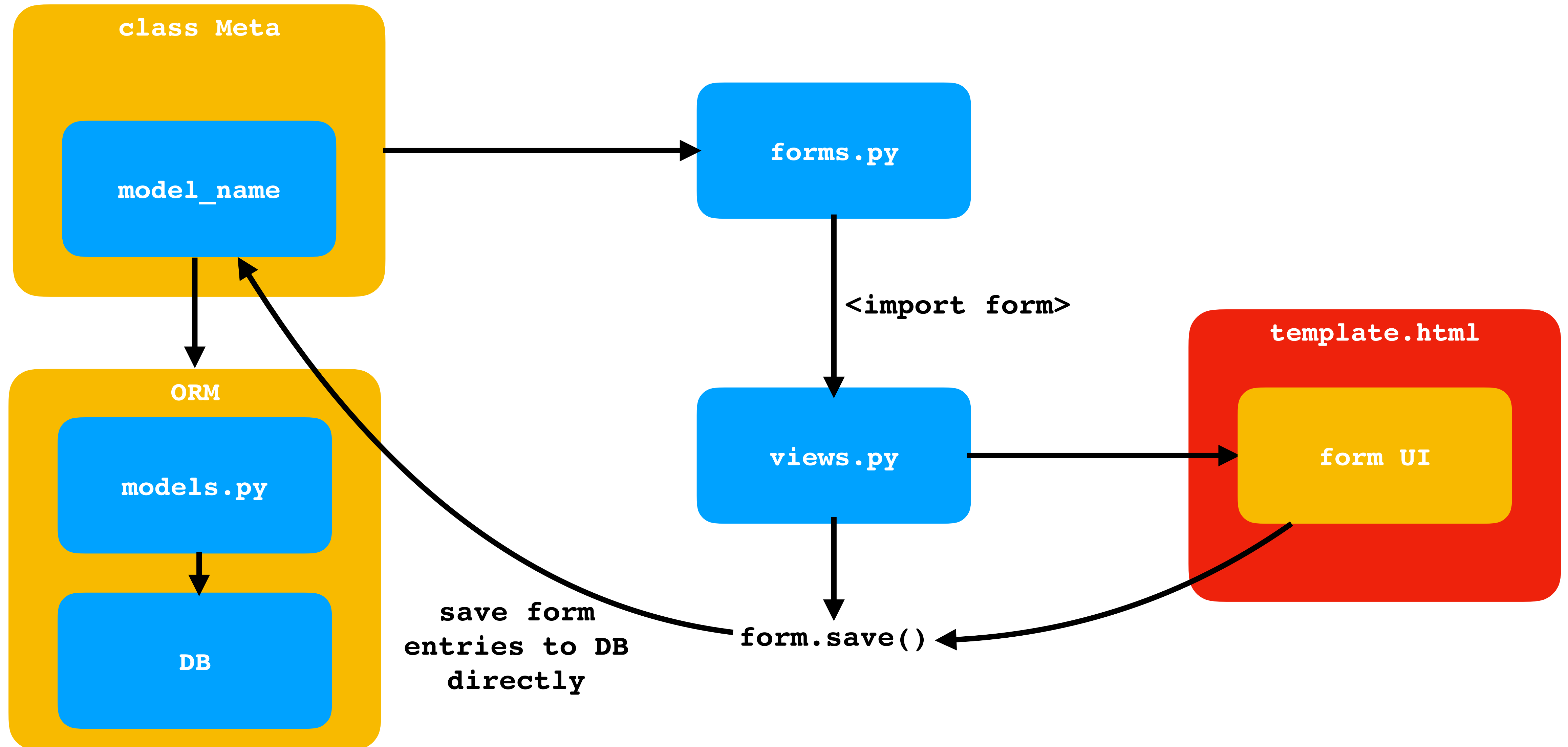
## DJANGO BASIC DB-ORM FLOW



### NOTE:

Django ORM automatically sends SQL queries to perform CRUD operations on DB

DJANGO  
ORM - FORMS.PY CONNECTION



DJANGO  
FORM-MODEL DB UPDATE

