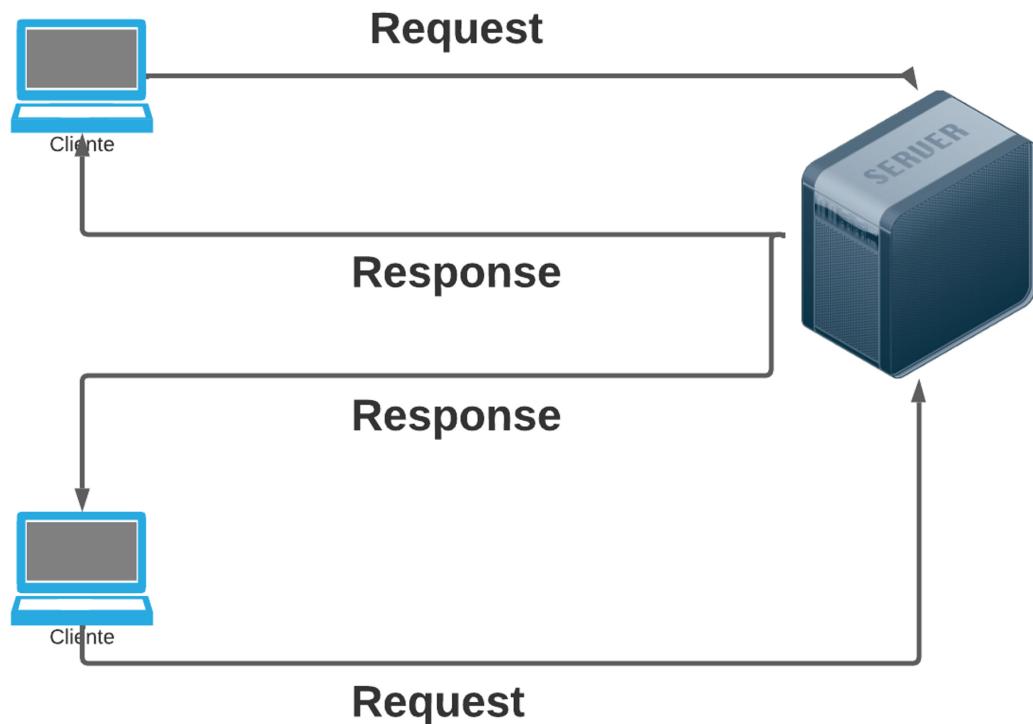


# Aula 1 | PSW 6.0

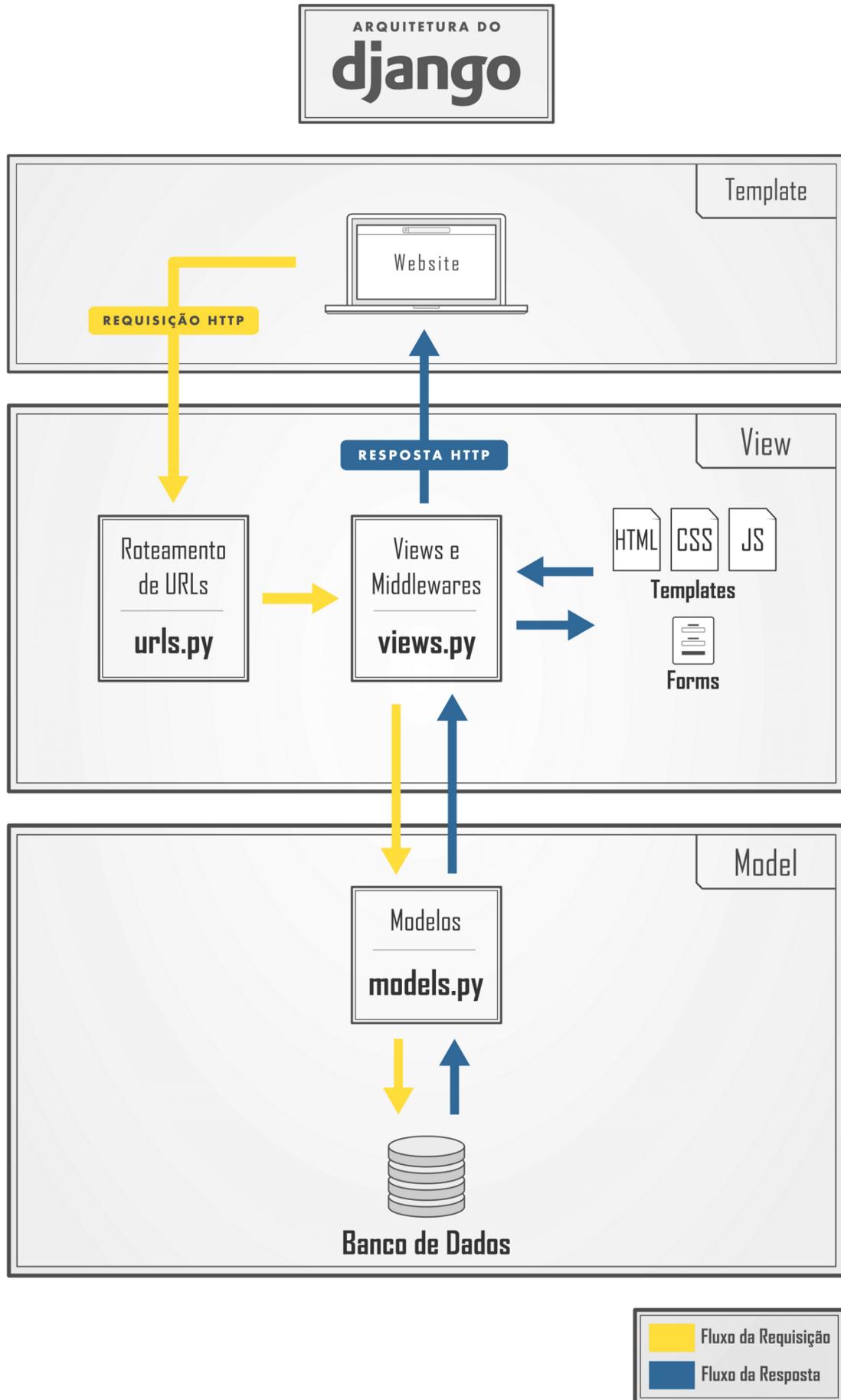
Acesse esse material diretamente pelo Notion!

<https://grizzlyamaranthus-f6a.notion.site/Aula-1-PSW-6-0-f358927b96914721aea51412a400714f>

## ▼ Conceitos



Fluxo de dados no Django:



## ▼ O projeto

Link do FIGMA:

P

**Untitled**

Last modified by PyCursos Python • 13 days ago

## ▼ Configurações iniciais

Primeiro devemos criar o ambiente virtual:

```
# Criar # Linux python3 -m venv venv # Windows python -m venv venv
```

Após a criação do venv vamos ativa-lo:

```
#Ativar # Linux source venv/bin/activate # Windows  
venv\Scripts\Activate # Caso algum comando retorne um erro de  
permissão execute o código e tente novamente: Set-ExecutionPolicy -  
Scope CurrentUser -ExecutionPolicy RemoteSigned
```

Agora vamos fazer a instalação do Django e as demais bibliotecas:

```
pip install django pip install pillow
```

Vamos criar o nosso projeto Django:

```
django-admin startproject type_event .
```

Crie o app usuarios:

```
python3 manage.py startapp usuarios
```

**Instale o APP!**

Crie uma URL para o APP usuarios:

```
path('usuarios/', include('usuarios.urls')),
```

## ▼ Cadastro

Crie uma URL para o cadastro de usuários:

```
from django.urls import path from . import views urlpatterns = [ path('cadastro/', views.cadastro, name='cadastro'), ]
```

Agora crie a view cadastro para exibir a interface de cadastro:

```
def cadastro(request): if request.method == "GET": return render(request, 'cadastro.html')
```

Configure onde o Django irá procurar por HTML:

```
os.path.join(BASE_DIR, 'templates')
```

Crie um HTML base em templates/bases/base.html:

```
{% load static %} <!doctype html> <html lang="en"> <head> <meta charset="utf-8"> <meta name="viewport" content="width=device-width, initial-scale=1"> <title>{% block 'title' %}{% endblock %}</title> <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"> {% block 'head' %}{% endblock %} </head> <body> {% block 'body' %}{% endblock %} <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script> </body> </html>
```

Crie o cadastro.html

```
{% extends 'bases/base.html' %} {% load static %} {% block 'head' %}  
{% endblock %} {% block 'body' %} <div class="container-fluid bg-  
inscricao"> <div class="row"> <div class="col-md"> <h3  
class="logo">Type.Event</h3>  </div> <div  
class="col-md bg-img"> </div> </div> </div> {% endblock %}
```

Configure os arquivos estáticos:

```
STATIC_URL = '/static/' STATICFILES_DIRS = (os.path.join(BASE_DIR,  
'templates/static'),) STATIC_ROOT = os.path.join('static') MEDIA_ROOT  
= os.path.join(BASE_DIR, 'media') MEDIA_URL = '/media/'
```

Crie o base.css em geral/css/base.css:

```
body{ color: white !important; } :root{ --main-color: #201F1F; --dark-  
color: #1C1A1A; --contrast-color: #BE375F; --differential-color:  
#ED8554; }
```

Importe o CSS base:

```
<link href="{% static 'geral/css/base.css' %}" rel="stylesheet">
```

Crie o usuarios.css:

```
.bg-inscricao{ height: 100vh; background-color: var(--dark-color); padding-left: 1%; } .bg-img{ background-image: url('/static/usuarios/img/bg.png'); height: 100vh; background-size: cover; color: #14e9e9 } .logo{ font-family: Arial, Helvetica, sans-serif; margin-top: 40px; } .box-form{ width: 70%; background-color: var(--main-color); margin: auto; padding: 40px; margin-top: 4%; border-radius: 20px; box-shadow: 1px 1px 5px 1px #0e0e0e; height: 65vh; } .link{ color: var(--differential-color); text-decoration: none; } .btn-principal{ background-color: transparent; border: 1px solid var(--contrast-color); color: white; padding: 10px; border-radius: 10px; font-weight: bold; } .logo-evento{ position: fixed; bottom: 20px; }
```

importe o CSS em cadastro:

```
<link href="{% static 'usuarios/css/usuarios.css' %}" rel="stylesheet">
```

Adicione a logo do evento!

Adicione a imagem de fundo!

Crie o partial para o formulário de cadastro em  
templates/partials/usuarios/cadastro.html:

```
<div class="box-form"> <h3>CADASTRO</h3> <hr style="border-color: #7E7B7C"> <form action="#" method="POST"> <label>Username:</label> <input type="text" class="form-control" placeholder="Username..." name="username"> <br> <label>E-mail:</label> <input type="email" class="form-control" placeholder="E-mail..." name="email"> <br> <div class="row"> <div class="col-md"> <label>Senha:</label> <input type="password" class="form-control" placeholder="Senha..." name="senha"> </div> <div class="col-md"> <label>Confirmar senha:</label> <input type="password" class="form-control" placeholder="Confirmar senha..." name="confirmar_senha"> </div> </div> <a href="#" class="link">Já possuo uma conta</a> <br> <br> <input type="submit" value="CADASTRAR" class="btn-principal"> </form> </div>
```

Inclua o arquivo o partial de cadastro no HTML principal:

```
{% include "partials/usuarios/cadastro.html" %}
```

Envie os dados do formulário para URL:

```
<form action="{% url 'cadastro' %}" method="POST">
```

Execute as migrações

Adicione o cadastro de usuários na view cadastro:

```
from django.shortcuts import render, redirect from django.urls import reverse from django.contrib.auth.models import User def cadastro(request): if request.method == "GET": return render(request, 'cadastro.html') elif request.method == "POST": username = request.POST.get('username') email = request.POST.get('email') senha = request.POST.get('senha') confirmar_senha = request.POST.get('confirmar_senha') if not (senha == confirmar_senha): return redirect(reverse('cadastro')) user = User.objects.filter(username=username) if user.exists(): return redirect(reverse('cadastro')) user = User.objects.create_user(username=username, email=email, password=senha) user.save() return redirect(reverse('login'))
```

Configure as mensagens:

```
from django.contrib.messages import constants MESSAGE_TAGS = { constants.DEBUG: 'alert-primary', constants.ERROR: 'alert-danger', constants.WARNING: 'alert-warning', constants.SUCCESS: 'alert-success', constants.INFO: 'alert-info ', }
```

Adicione as mensagens na view cadastro:

```
from django.contrib import messages from django.contrib.messages import constants messages.add_message(request, constants.ERROR, 'Mensagem')
```

Exiba as mensagens no HTML:

```
{% if messages %} {% for message in messages %} <div class="alert {{ message.tags }}>{{ message }}</div> {% endfor %} {% endif %}
```



## ▼ Login

Crie a URL para login:

```
path('login/', views.login, name='login'),
```

Crie a view para o login:

```
def login(request): if request.method == "GET": return render(request, 'login.html')
```

Crie o HTML para login:

```
{% extends 'bases/base.html' %} {% load static %} {% block 'head' %}  
<link href="{% static 'usuarios/css/usuarios.css' %}"  
rel="stylesheet"> {% endblock %} {% block 'body' %} <div  
class="container-fluid bg-inscricao"> <div class="row"> <div  
class="col-md"> <h3 class="logo">Type.Event</h3>  </div> <div  
class="col-md bg-img"> </div> </div> </div> {% endblock %}
```

Crie o partial do form de login:

```
<div class="box-form"> <h3>LOGIN</h3> {% if messages %} {% for message  
in messages %} <div class="alert {{ message.tags }}>{{ message }}  
</div> {% endfor %} {% endif %} <hr style="border-color: #7E7B7C">  
<form action="{% url 'login' %}" method="POST">{% csrf_token %}  
<label>Username:</label> <input type="text" class="form-control"  
placeholder="Username..." name="username"> <br> <label>Senha</label>  
<input type="password" class="form-control" placeholder="Senha..."  
name="senha"> <a href="{% url 'cadastro' %}" class="link">Cadastre-  
se</a> <br> <br> <input type="submit" value="LOGAR" class="btn-  
principal"> </form> </div>
```

Adicione o partial em login.html: