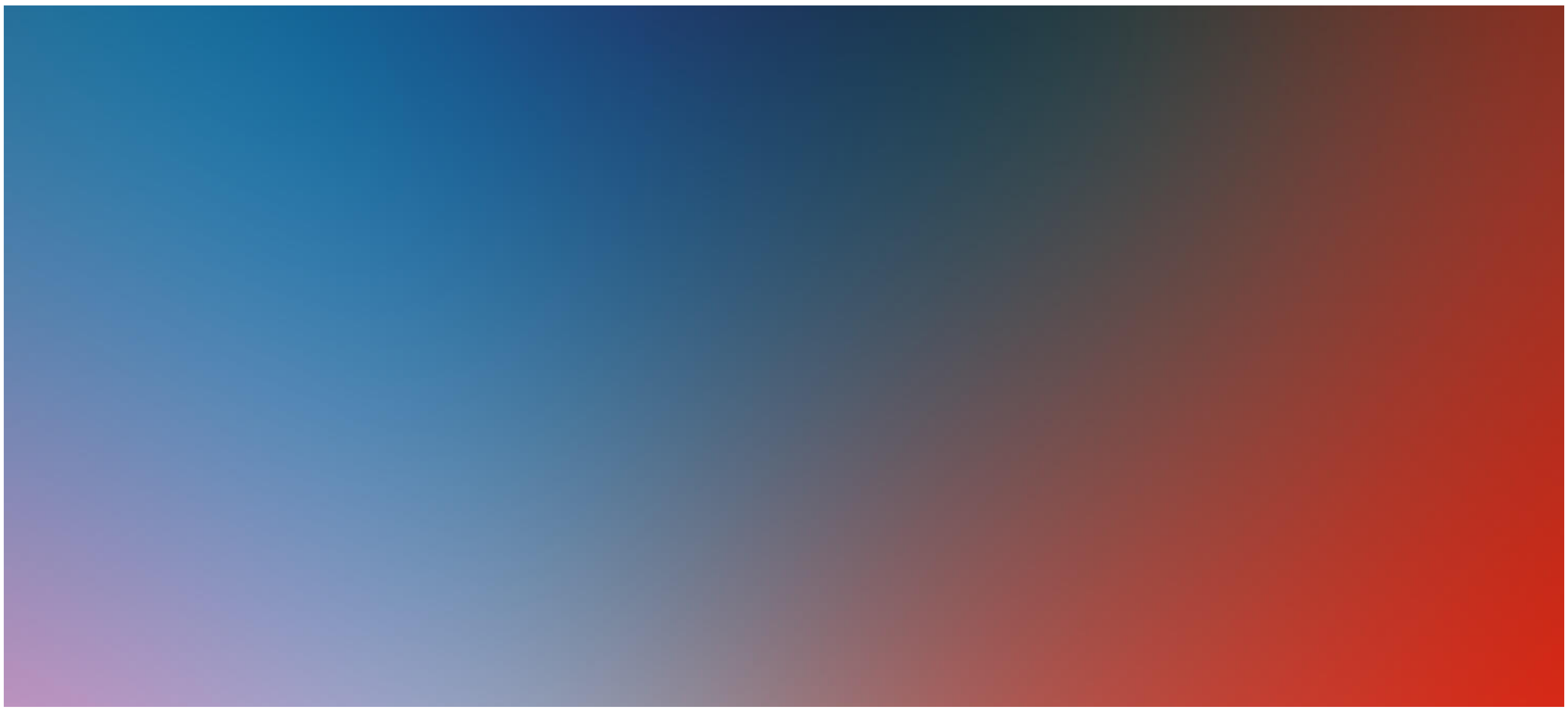


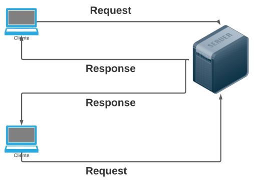
Projeto 2 - Web

Acesse diretamente pelo Notion

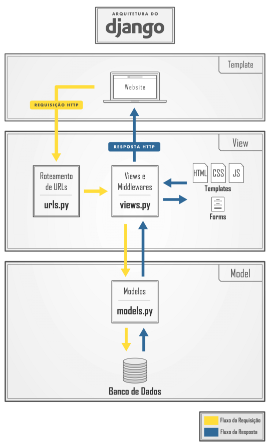
Copie os códigos com mais facilidade.

```
https://grizzly-amaranthus-f6a.notion.site/Projeto-2-Web-15b6cf8ea89f80728fdfe8223bbdcb5c?pvs=4
```

▼ Conceito



Fluxo de dados no Django:



▼ 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 core .
```

Rode o servidor para testar:

```
python manage.py runserver
```

Crie um APP usuários:

```
    python3 manage.py diario
```

▼ Diário

Crie uma URL em core para redirecionar para o app diario:

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

Agora em diario/urls.py crie a URL para a home do projeto:

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.home, name='diario'),
]
```

Desenvolva a view home:

```
def home(request):
    return render(request, 'home.html')
```

Configure os templates

```
BASE_DIR / 'templates'
```

Configure os arquivos estáticos e de media:

```
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 um HTML base:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>{% block 'title' %}{% endblock 'title' %}</title>
    <script src="https://cdn.tailwindcss.com"></script>
    {% block 'head' %}{% endblock 'head' %}

</head>
<body>
    <header class="bg-gray-900">
        <nav class="mx-auto flex max-w-7xl items-center justify-between p-6 lg:px-8" aria-label="Global">
          <div class="flex lg:flex-1">
            <a href="#" class="-m-1.5 p-1.5">
              <span class="sr-only">Diário</span>
              <img class="h-10 w-auto" src="" alt="">
            </a>
          </div>
          <div class="flex lg:hidden">
            <button type="button" class="-m-2.5 inline-flex items-center justify-center rounded-md p-2.5 text-gray-400">
              <span class="sr-only">Open main menu</span>
              <svg class="size-6" fill="none" viewBox="0 0 24 24" stroke-width="1.5" stroke="currentColor" aria-hidden="true" data-slot="icon">
                <path stroke-linecap="round" stroke-linejoin="round" d="M3.75 6.75h16.5M3.75 12h16.5m-16.5 5.25h16.5" />
              </svg>
            </button>
          </div>
          <div class="hidden lg:flex lg:gap-x-12">
            <a href="" class="text-sm/6 font-semibold text-white">Home</a>
            <a href="" class="text-sm/6 font-semibold text-white">Pessoas</a>
            <a href="" class="text-sm/6 font-semibold text-white">Escrever</a>
          </div>
```

```
            <div class="hidden lg:flex lg:flex-1 lg:justify-end">

            </div>
          </nav>

        </header>
      {% block 'body' %}{% endblock 'body' %}
  </body>
  </html>
```

Agora, podemos criar o home.htlm

```
{% extends "base.html" %}
{% block 'body' %}

    <div class='bg-gray-900 min-h-screen relative isolate'>
        <svg class="absolute inset-0 -z-10 size-full stroke-white/10 [mask-image:radial-gradient(100%_100%_at_top_right,white,transparent)]" aria-hidden="true">
            <defs>
              <pattern id="983e3e4c-de6d-4c3f-8d64-b9761d1534cc" width="200" height="200" x="50%" y="-1" patternUnits="userSpaceOnUse">
                <path d="M.5 200V.5H200" fill="none" />
              </pattern>
            </defs>
            <svg x="50%" y="-1" class="overflow-visible fill-gray-800/20">
              <path d="M-200 0h201v201h-201Z M600 0h201v201h-201Z M-400 600h201v201h-201Z M200 800h201v201h-201Z" stroke-width="0" />
            </svg>
            <rect width="100%" height="100%" stroke-width="0" fill="url(#983e3e4c-de6d-4c3f-8d64-b9761d1534cc)" />
        </svg>
        <div class="absolute inset-x-0 -top-40 -z-10 transform-gpu overflow-hidden blur-3xl sm:-top-80 pointer-events-none" aria-hidden="true">
            <div class="relative left-[calc(50%-11rem)] aspect-[1155/678] w-[36.125rem] -translate-x-1/2 rotate-[30deg] bg-gradient-to-tr from-[#ff80b5] to-[#9089fc] opacity-20 sm:left-[calc(50%-30rem)] sm:w-[72.1875rem]" style="clip-path: polygon(74.1% 44.1%, 100% 61.6%, 97.5% 26.9%, 85.5% 0.1%, 80.7% 2%, 72.5% 32.5%, 60.2% 62.4%, 52.4% 68.1%, 47.5% 58.3%, 45.2% 34.5%, 27.5% 76.7%, 0.1% 64.9%, 17.9% 100%, 27.6% 76.8%, 76.1% 97.7%, 74.1% 44.1%)"></div>
        </div>

        <div class="max-w-7xl mx-auto py-12">
            <div class="grid grid-cols-1 md:grid-cols-2">
                <div>
                    <h1 class="text-balance text-5xl font-semibold tracking-tight text-white sm:text-7xl">Seu diário, seus momentos.</h1>
                    <p class="mt-8 text-pretty text-lg font-medium text-gray-400 sm:text-xl/8">Registre seus dias e mantenha memórias do que realmente importa.</p>
                    <br>
                    <a href="" class="mt-6 rounded-md bg-indigo-600 px-3.5 py-2.5 text-4xl font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600 mt-12">Escrever</a>

                </div>
                <div>
                    <div class="mt-14 flex justify-end gap-8 sm:-mt-44 sm:justify-start sm:pl-20 lg:mt-0 lg:pl-0">
                        <div class="ml-auto w-44 flex-none space-y-8 pt-32 sm:ml-0 sm:pt-80 lg:order-last lg:pt-36 xl:order-none xl:pt-80">
                          <div class="relative">
                            <img src="https://images.unsplash.com/photo-1557804506-669a67965ba0?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&h=528&q=80" alt="" class="aspect-[2/3] w-full rounded-xl bg-gray-900/5 object-cover shadow-lg">
                            <div class="pointer-events-none absolute inset-0 rounded-xl ring-1 ring-inset ring-gray-900/10"></div>
                          </div>
                        </div>
                        <div class="mr-auto w-44 flex-none space-y-8 sm:mr-0 sm:pt-52 lg:pt-36">
                          <div class="relative">
                            <img src="https://images.unsplash.com/photo-1485217988980-11786ced9454?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&h=528&q=80" alt="" class="aspect-[2/3] w-full rounded-xl bg-gray-900/5 object-cover shadow-lg">
                            <div class="pointer-events-none absolute inset-0 rounded-xl ring-1 ring-inset ring-gray-900/10"></div>
                          </div>
                          <div class="relative">
                            <img src="https://images.unsplash.com/photo-1559136555-9303baea8ebd?ixlib=rb-4.0.3&ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&crop=focalpoint&fp-x=.4&w=396&h=528&q=80" alt="" class="aspect-[2/3] w-full rounded-xl bg-gray-900/5 object-cover shadow-lg">
                            <div class="pointer-events-none absolute inset-0 rounded-xl ring-1 ring-inset ring-gray-900/10"></div>
                          </div>
                        </div>
                        <div class="w-44 flex-none space-y-8 pt-32 sm:pt-0">
                          <div class="relative">
                            <img src="https://images.unsplash.com/photo-1670272504528-790c24957dda?ixlib=rb-4.0.3&ixid=MnwxMjA3fDF8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&crop=left&w=400&h=528&q=80" alt="" class="aspect-[2/3] w-full rounded-xl bg-gray-900/5 object-cover shadow-lg">
                            <div class="pointer-events-none absolute inset-0 rounded-xl ring-1 ring-inset ring-gray-900/10"></div>
                          </div>
                          <div class="relative">
                            <img src="https://images.unsplash.com/photo-1670272505284-8faba1c31f7d?ixlib=rb-4.0.3&ixid=MnwxMjA3fDF8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&auto=format&fit=crop&h=528&q=80" alt="" class="aspect-[2/3] w-full rounded-xl bg-gray-900/5 object-cover shadow-lg">
                            <div class="pointer-events-none absolute inset-0 rounded-xl ring-1 ring-inset ring-gray-900/10"></div>
                          </div>
                        </div>

                </div>
            </div>

        </div>


    </div>

    <div class="bg-slate-800">
        <div class="max-w-7xl mx-auto py-6">
            <div class="text-center">
                <h1 class="text-balance text-2xl font-semibold tracking-tight text-white sm:text-4xl">Suas escritas diárias.</h1>

                <div class="grid grid-cols-1 md:grid-cols-3 mt-6 gap-4">

                    <div class="overflow-hidden rounded-lg bg-gray-800 ring-1 ring-white/15">
                        <img class="h-40 w-full" src="" alt="">
                        <div class="p-10">
                        <div>
                            <span class="inline-flex items-center rounded-md bg-indigo-400/10 px-2 py-1 text-xs font-medium text-indigo-400 ring-1 ring-inset ring-indigo-400/30">Viagem</span>
                        </div>

                        <p class="mt-2 text-lg font-medium tracking-tight text-white">Viagem para holanda</p>
                        <p class="mt-2 max-w-lg text-sm/6 text-gray-400">Viajamos para holanda e visitamos de bicicleta ...</p>
                        </div>
                    </div>


                </div>
                <br>
                <br>
            </div>

        </div>

    </div>


    <div class="bg-gray-900 py-6">
      <div class="text-center">
        <h1 class="text-balance text-2xl font-semibold tracking-tight text-slate-300 ">Seus dados.</h1>
      </div>

      <div class="grid grid-cols-2 gap-6 max-w-7xl mx-auto mt-12">
        <div>
          <canvas id="myChart"></canvas>
        </div>

        <div>
          <canvas id="myChart2"></canvas>
        </div>

      </div>

    </div>

{% endblock 'body' %}
```

Adicione a imagem waves.png dentro de static:

https://drive.google.com/drive/folders/1XR_URKN5n9htBiNBVavgaG6i2Kdsq1yQ?usp=sharing

▼ Escrever

Vamos agora, criar um URL onde o usuário pode realizar suas anotações, crie uma url para essa nova VIEW:

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

Crie a view escrever:

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

Adicione o HTML escrever:

```
{% extends "base.html" %}
{% load static %}

{% block 'body' %}

<div class="relative isolate overflow-hidden bg-gray-900 min-h-screen">
    <svg class="absolute inset-0 -z-10 size-full stroke-white/10 [mask-image:radial-gradient(100%_100%_at_top_right,white,transparent)]" aria-hidden="true">
        <defs>
          <pattern id="983e3e4c-de6d-4c3f-8d64-b9761d1534cc" width="200" height="200" x="50%" y="-1" patternUnits="userSpaceOnUse">
            <path d="M.5 200V.5H200" fill="none" />
          </pattern>
        </defs>
        <svg x="50%" y="-1" class="overflow-visible fill-gray-800/20">
          <path d="M-200 0h201v201h-201Z M600 0h201v201h-201Z M-400 600h201v201h-201Z M200 800h201v201h-201Z" stroke-width="0" />
        </svg>
        <rect width="100%" height="100%" stroke-width="0" fill="url(#983e3e4c-de6d-4c3f-8d64-b9761d1534cc)" />
    </svg>
    <div class="pointer-events-none absolute left-[calc(50%-4rem)] top-10 -z-10 transform-gpu blur-3xl sm:left-[calc(50%-18rem)] lg:left-48 lg:top-[calc(50%-30rem)] xl:left-[calc(50%-24rem)]" aria-hidden="true">
        <div class="aspect-[1108/632] w-[69.25rem] bg-gradient-to-r from-[#80caff] to-[#4f46e5] opacity-20" style="clip-path: polygon(73.6% 51.7%, 91.7% 11.8%, 100% 46.4%, 97.4% 82.2%, 92.5% 84.9%, 75.7% 64%, 55.3% 47.5%, 46.5% 49.4%, 45% 62.9%, 50.3% 87.2%, 21.3% 64.1%, 0.1% 100%, 5.4% 51.1%, 21.4% 63.9%, 58.9% 0.2%, 73.6% 51.7%)"></div>
    </div>

    <div class="max-w-7xl mx-auto py-12">
        <div class="grid grid-cols-1 md:grid-cols-2 px-2 gap-6">
            <div class="bg-slate-200/5 ring ring-1 ring-white/20 rounded-md py-8 px-6">
                <form action="" method="POST">
                    <h1 class="text-pretty font-semibold tracking-tight text-white sm:text-4xl">Faça aqui seu registro diário</h1>
                    <br>
                    <div>
                        <label class="block text-sm/6 font-medium text-gray-200">Titulo</label>
                        <div class="mt-2">
                        <input type="text" name="titulo" id="titulo" class="block w-full rounded-md bg-white px-3 py-1.5 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6" placeholder="Título aqui...">
                        </div>
                        <div class="grid grid-cols-1 md:grid-cols-2 gap-6">
                            <div class="mt-2">
                                <label for="email" class="block text-sm/6 font-medium text-gray-200 mt-2">Tags</label>
                                <select multiple name="tags" id="tags" class="block w-full rounded-md bg-white px-3 py-3 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6">
                                    <option value="Viagem">Viagem</option>
                                    <option value="Trabalho">Trabalho</option>
                                </select>
                            </div>
                            <div class="mt-2">
                                <label for="email" class="block text-sm/6 font-medium text-gray-200 mt-2">Pessoas</label>
                                <select multiple name="pessoas" id="pessoas" class="block w-full rounded-md bg-white px-3 py-3 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6">

                                    <option value="">Pessoa 1</option>

                                </select>
                            </div>
                        </div>



                        <div class="mt-2">
                            <label for="email" class="block text-sm/6 font-medium text-gray-200 mt-2">Texto</label>
                            <textarea name="texto" id="text" class="block w-full rounded-md bg-white px-3 py-3 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6"></textarea>
                        </div>

                    </div>
                    <input type="submit" class="mt-6 w-full text-center rounded-md bg-indigo-600 px-3.5 py-2.5 text-xl font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600" value="Publicar">
                </form>
            </div>

            <div>
                <h1 class="text-balance text-2xl font-semibold tracking-tight text-white">Veja suas recordações.</h1>
                <div class="mt-2">
                <input type="date" id="data" class="block w-full rounded-md bg-white px-3 py-1.5 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6" placeholder="Título aqui...">
                <br>
                <a value="entrar" id="link" class="mt-6 rounded-md cursor-pointer bg-indigo-600 px-3.5 py-2.5 text-2xl font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600 mt-12">Entrar</a>
            </div>

            </div>
        </div>



    </div>

</div>


{% endblock %}
```

Voltando a HOME, redirecione o botão para essa nova página:

```
<a href="{% url 'escrever' %}" class="mt-6 rounded-md bg-indigo-600 px-3.5 py-2.5 text-4xl font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600 mt-12">Escrever</a>
```

MODELS

Vamos desenvolver as tabelas necessários para a aplicação:

```
class Pessoa(models.Model):
    nome = models.CharField(max_length=100)
    foto = models.ImageField(upload_to='foto')

    def __str__(self):
        return self.nome

class Diario(models.Model):
    tags_choices = (
        ('V', 'Viagem'),
        ('T', 'Trabalho')
    )

    titulo = models.CharField(max_length=100)
    tags = models.TextField()
    pessoas = models.ManyToManyField(Pessoa)
    texto = models.TextField()
    create_at = models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return self.titulo
```

Execute as migrações!

▼ Pessoa

Vamos criar um URL para o cadastro dos integrantes:

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

Desenvolva a VIEW:

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

```
{% extends "base.html" %}
{% load static %}

{% block 'body' %}
```

```
<div class="relative isolate pointer-events-none">
    <div class="absolute inset-x-0 -top-40 -z-10 transform-gpu overflow-hidden blur-3xl sm:-top-80" aria-hidden="true">
      <div class="relative left-[calc(50%-11rem)] aspect-[1155/678] w-[36.125rem] -translate-x-1/2 rotate-[30deg] bg-gradient-to-tr from-[#ff80b5] to-[#9089fc] opacity-30 sm:left-[calc(50%-30rem)] sm:w-[72.1875rem]" style="clip-path: polygon(74.1% 44.1%, 100% 61.6%, 97.5% 26.9%, 85.5% 0.1%, 80.7% 2%, 72.5% 32.5%, 60.2% 62.4%, 52.4% 68.1%, 47.5% 58.3%, 45.2% 34.5%, 27.5% 76.7%, 0.1% 64.9%, 17.9% 100%, 27.6% 76.8%, 76.1% 97.7%, 74.1% 44.1%)"></div>
    </div>
</div>
<div class="bg-gray-900 h-screen flex items-center justify-center">
    <form class="bg-slate-800/45 shadow-md rounded-lg p-8 w-96" enctype='multipart/form-data' action="" method="">
        <h2 class="text-2xl font-bold mb-6 text-gray-300 text-center">Pessoa</h2>
        <input type="text" name="nome" class="block w-full rounded-md bg-white px-3 py-1.5 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6" placeholder="Nome da pessoa aqui...">
        <br>
        <input type="file" name="foto" id="titulo" class="block w-full rounded-md bg-white px-3 py-1.5 text-base text-gray-900 outline outline-1 -outline-offset-1 outline-gray-300 placeholder:text-gray-400 focus:outline focus:outline-2 focus:-outline-offset-2 focus:outline-indigo-600 sm:text-sm/6">

        <input type="submit" class="mt-6 cursor-pointer w-full text-center rounded-md bg-indigo-600 px-3.5 py-2.5 text-xl font-semibold text-white shadow-sm hover:bg-indigo-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-indigo-600" value="Criar">
    </form>
</div>

{% endblock %}
```

Vamos redirecionar os dados do forms para o BACK-END:

```
<form class="bg-slate-800/45 shadow-md rounded-lg p-8 w-96" enctype='multipart/form-data' action="{% url 'cadastrar_pessoa' %}" method="POST">{% csrf_token %}
```

No Back-End, receba e salve os dados:

```
def cadastrar_pessoa(request):
    if request.method == 'GET':
        return render(request, 'pessoa.html')
    else:
        nome = request.POST.get('nome')
        foto = request.FILES.get('foto')

        pessoa = Pessoa(
            nome=nome,
            foto=foto
        )
        pessoa.save()
        return redirect('escrever')
```

▼ Escrever

Voltando a escrita do diário, vamos listar todas as pessoas cadastradas:

```
pessoas = Pessoa.objects.all()
```

Exiba as pessoas no select:

```
{% for i in pessoas %}
    <option value="{{i.id}}">{{i.nome}}</option>
{% endfor %}
```

```
def escrever(request):
    if request.method == "GET":
        pessoas = Pessoa.objects.all()
        textos = Diario.objects.order_by('create_at')
        return render(request, 'escrever.html', {'pessoas': pessoas, 'textos': textos})
    else:
        titulo = request.POST.get("titulo")
        tags = request.POST.getlist("tags")
        pessoas = request.POST.getlist("pessoas")
        texto = request.POST.get("texto")

        if len(titulo.strip()) == 0 or len(texto.strip()) == 0:
            return redirect('escrever')

        diario = Diario(
            titulo=titulo,
            texto=texto
        )
        diario.set_tags(tags)
        diario.save()

        pessoa_objs = Pessoa.objects.filter(id__in=pessoas)
        diario.pessoas.add(*pessoa_objs)
        diario.save()

        '''for i in pessoas:
            pessoa = Pessoa.objects.get(id=i)
            diario.pessoas.add(pessoa)'''

        #TODO: Mensagens e erro e sucesso

        return redirect('escrever')
```

Crie o s métodos set_tags e get_tags:

```
def get_tags(self):
    return self.tags.split(',') if self.tags else []

def set_tags(self, list_tags, reset=False):
    if not reset:
        existing_tags = set(self.get_tags())
        list_tags = existing_tags.union(set(list_tags))

    self.tags = ','.join(list_tags)
```

▼ Home

Na home vamos listar as 3 últimas anotações:

```
textos = Diario.objects.order_by('create_at')[:3]
```

Liste no HTML:

```
{% for texto in textos %}
  <div class="overflow-hidden rounded-lg bg-gray-800 ring-1 ring-white/15 {% if forloop.counter == 1 %}lg:rounded-tl-[2rem]{% elif forloop.counter == 3 %}lg:rounded-tr-[2rem] {% endif %}">
      <img class="h-40 w-full" src="{% static 'waves.png' %}" alt="">
      <div class="p-10">
      <div>
          {% for i in texto.get_tags %}
              <span class="inline-flex items-center rounded-md bg-indigo-400/10 px-2 py-1 text-xs font-medium text-indigo-400 ring-1 ring-inset ring-indigo-400/30">{{i}}</span>
          {% endfor %}
      </div>

      <p class="mt-2 text-lg font-medium tracking-tight text-white">{{texto.titulo}}</p>
      <p class="mt-2 max-w-lg text-sm/6 text-gray-400">{{texto.texto|truncatewords:20}}</p>
      </div>
  </div>
{% endfor %}
```

▼ Ver diário

Crie o JS:

```
<script>

    const input = document.getElementById('data');
    const link = document.getElementById('link');
    console.log(input)

    input.addEventListener('input', () => {
        console.log("teste")
        const data = input.value;
        if (data) {
            link.href = `/diario/dia?data=${data}`;
        } else {
            link.href = "#";
        }
    });


    link.addEventListener('click', (e) => {
        if (!input.value) {
            e.preventDefault();
            alert('Por favor, selecione uma data antes de continuar.');
        }
    });
</script>
```

Crie a URL:

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

Crie a view dia:

```
def dia(request):
    data = request.GET.get('data')
    data_formatada = datetime.strptime(data, '%Y-%m-%d')
    diarios = Diario.objects.filter(create_at__gte=data_formatada).filter(create_at__lte=data_formatada + timedelta(days=1))

    return render(request, 'dia.html', {'diarios': diarios, 'total': diarios.count(), 'data': data})
```

Exiba o HTML com todas as anotações:

```
{% extends "base.html" %}
{% load static %}

{% block 'body' %}
<div class="relative isolate px-6 pt-14 lg:px-8">
    <div class="absolute inset-x-0 pointer-events-none -top-40 -z-10 transform-gpu overflow-hidden blur-3xl sm:-top-80" aria-hidden="true">
      <div class="relative left-[calc(50%-11rem)] aspect-[1155/678] w-[36.125rem] -translate-x-1/2 rotate-[30deg] bg-gradient-to-tr from-[#ff80b5] to-[#9089fc] opacity-30 sm:left-[calc(50%-30rem)] sm:w-[72.1875rem]" style="clip-path: polygon(74.1% 44.1%, 100% 61.6%, 97.5% 26.9%, 85.5% 0.1%, 80.7% 2%, 72.5% 32.5%, 60.2% 62.4%, 52.4% 68.1%, 47.5% 58.3%, 45.2% 34.5%, 27.5% 76.7%, 0.1% 64.9%, 17.9% 100%, 27.6% 76.8%, 76.1% 97.7%, 74.1% 44.1%)"></div>
    </div>
    <svg class="absolute inset-0 -z-10 size-full stroke-gray-200 [mask-image:radial-gradient(100%_100%_at_top_right,white,transparent)]" aria-hidden="true">
        <defs>
            <pattern id="0787a7c5-978c-4f66-83c7-11c213f99cb7" width="200" height="200" x="50%" y="-1" patternUnits="userSpaceOnUse">
            <path d="M.5 200V.5H200" fill="none" />
            </pattern>
        </defs>
        <rect width="100%" height="100%" stroke-width="0" fill="url(#0787a7c5-978c-4f66-83c7-11c213f99cb7)" />
    </svg>
    <div class="p-6 bg-white min-h-screen">

            <div class="mx-auto max-w-4xl">
                <div class="grid grid-cols-2 gap-6">
                    <div>
                        <ul role="list" class="space-y-6">
                            {% for diario in diarios %}
                                <li class="relative flex gap-x-4">
                                    <div class="absolute -bottom-6 left-0 top-0 flex w-6 justify-center">
                                    <div class="w-px bg-gray-200"></div>
                                    </div>
                                    <div class="relative flex size-6 flex-none items-center justify-center bg-white">
                                    <div class="size-1.5 rounded-full bg-gray-100 ring-1 ring-gray-300"></div>
                                    </div>
                                    <div>
                                    <p class="py-0.5 text-xs/5 text-gray-500">
                                        <span class="font-medium text-gray-900">{{diario.titulo}}</span><br>
                                        {{diario.texto}}
                                    </p>
                                    <div class="flex gap-[8px] text-xs/5 text-gray-500 mt-2">
                                        {% for pessoa in diario.pessoas.all %}
                                            <img src="{{pessoa.foto.url}}" class="w-10 h-10 rounded-md bg-cover" alt="">
                                        {% endfor %}


                                    </div>
                                    </div>
                                    <time datetime="2023-01-23T10:32" class="flex-none py-0.5 text-xs/5 text-gray-500">12/12/2024</time>
                                </li>
                              {% endfor %}


                          </ul>
                    </div>

                    <div>
                        {% if diarios %}
                            <h1 class="text-balance text-2xl font-semibold tracking-tight text-slate-600 ">Parabéns, você teve {{total}} recordação anotadas nesse dia.</h1>
                            <br>
                            <a href="" class="mt-6 rounded-md cursor-pointer bg-red-600 px-3.5 py-2.5 text-xl font-semibold text-white shadow-sm hover:bg-red-500 focus-visible:outline focus-visible:outline-2 focus-visible:outline-offset-2 focus-visible:outline-red-600 mt-12">Excluir todas as anotações</a>

                        {% else %}
                            <h1 class="text-balance text-2xl font-semibold tracking-tight text-slate-600 ">Que pena, nesse dia não foi feito nenhuma anotação.</h1>
                        {% endif %}
                    </div>

                </div>
            </div>
    </div>

</div>
{% endblock %}
```

Adicione as URLS de media e já crie uma home:

```
from django.contrib import admin
from django.urls import path, include
from django.conf import settings
from django.conf.urls.static import static
from django.shortcuts import redirect

urlpatterns = [
    path('admin/', admin.site.urls),
    path('diario/', include('diario.urls')),
    path('', lambda request: redirect('diario'))
] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

▼ Excluir

Adicione a URL excluir_dia:

```
path('excluir_dia/', views.excluir_dia, name="excluir_dia"),
```

A VIEW excluir pessoa:

```
def excluir_dia(request):
    dia = datetime.strptime(request.GET.get('data'), '%Y-%m-%d')
    diarios = Diario.objects.filter(create_at__gte=dia).filter(create_at__lte=dia + timedelta(days=1))
    diarios.delete()
    return redirect('escrever')
```

No botão redirecione para URL:

```
{% url 'excluir_dia' %}?data={{data}}
```

▼ Gráficos

Para os gráficos, em home adicione o JS:

```
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
<script>
  const ctx = document.getElementById('myChart');

  new Chart(ctx, {
    type: 'bar',
    data: {
      labels: {{nomes|safe}},
      datasets: [{
        data: {{qtds|safe}},
        borderWidth: 1
      }]
    },

  });
</script>


<script>
  const ctx2 = document.getElementById('myChart2');

  new Chart(ctx2, {
    type: 'bar',
    data: {
      labels: {{nomes|safe}},
      datasets: [{
        data: {{qtds|safe}},
        borderWidth: 1
      }]
    },

  });
</script>
```

E nas views busque todos os dados:

```
def home(request):
    textos = Diario.objects.order_by('create_at')[:3]
    pessoas = Pessoa.objects.all()

    nomes = [pessoa.nome for pessoa in pessoas]
    qtds = []
    for pessoa in pessoas:
        qtd = Diario.objects.filter(pessoas=pessoa).count()
        qtds.append(qtd)


    '''pessoas_com_contagem = Pessoa.objects.annotate(qtd_diarios=Count('diario'))
    nomes = [pessoa.nome for pessoa in pessoas_com_contagem]
    qtds = [pessoa.qtd_diarios for pessoa in pessoas_com_contagem]'''

    return render(request, 'home.html', {'textos': textos, 'nomes': nomes, 'qtds': qtds})
```

https://grizzly-amaranthus-f6a.notion.site/Projeto-2-Web-15b6cf8ea89f80728fdfe8223bbdcb5c?pvs=4