Web Full-Stack

Acesse pelo Notion:

```
https://www.notion.so/Web-Full-Stack-12f6cf8ea89f8009ab39cb5078877c20?
pvs=4
```

▸ Teoria

▸ Configurações iniciais

▼ Noivos

Em URL's redirecione para o app criado:

```python
path('noivos/', include('noivos.urls')),
```

Em noivos crie o arquivo urls.py:

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

Crie a view home:

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

Configure os arquivos estáticos e de media:

```python
import os 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 arquivo templates/base.html

```
<!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta
name="viewport" content="width=device-width, initial-scale=1.0">
<script src="https://cdn.tailwindcss.com"></script>
<title>Eu.Noiva</title> </head> <body> {% block 'body' %} {% endblock
%} <div class="absolute inset-x-0 top-10 -z-10 flex transform-gpu
justify-center overflow-hidden blur-3xl" aria-hidden="true"> <div
class="aspect-[1108/632] w-[69.25rem] flex-none bg-gradient-to-r from-
pink-400 to-purple-600 opacity-20" style="clip-path: polygon(43% 17%,
38% 52%, 84% 75%, 68% 21%, 41% 80%, 94% 35%, 17% 29%, 23% 73%, 92%
54%, 62% 83%, 29% 14%, 33% 74%, 3% 57%, 53% 12%, 64% 57%, 81% 92%, 19%
73%);"> </div> </div> </body> </html>
```

Voltando ao home.html:

```
{% extends "base.html" %} {% block 'body' %} <div class="max-w-7xl mx-
auto mt-12"> <div class="grid grid-cols-2 gap-4"> <div class="bg-
slate-200/20 p-6 rounded-md"> <h2 class="text-balance text-xl font-
semibold tracking-tight text-gray-900">Crie sua lista de
presentes</h2> <br> <form action="" method="POST"> <label class="mt-4
block text-sm leading-6 text-gray-900">Nome do presente</label> <input
type="text" name="nome_presente" class="block w-full rounded-md
border-0 px-3.5 py-2 text-gray-900 shadow-sm ring-1 ring-inset ring-
gray-300 placeholder:text-gray-400 focus:ring-2 focus:ring-inset
focus:ring-indigo-600 sm:text-sm sm:leading-6"> <div class="flex
space-x-4"> <div class="w-full"> <label class="mt-4 block text-sm
leading-6 text-gray-900">Foto de exemplo</label> <input type="file"
name="foto" class="block w-full rounded-md border-0 px-3.5 py-2 text-
gray-900 shadow-sm ring-1 ring-inset ring-gray-300 placeholder:text-
gray-400 focus:ring-2 focus:ring-inset focus:ring-indigo-600 sm:text-
sm sm:leading-6"> </div> <div class="w-full"> <label class="mt-4 block
text-sm leading-6 text-gray-900">Preço estimado</label> <input
type="number" name="preco" class="block w-full rounded-md border-0 px-
3.5 py-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300
placeholder:text-gray-400 focus:ring-2 focus:ring-inset focus:ring-
indigo-600 sm:text-sm sm:leading-6"> </div> </div> <div class="flex
space-x-4"> <div class="w-full"> <label class="mt-4 block text-sm
leading-6 text-gray-900">importancia</label> <input type="range"
min='1' max="5" name="importancia" class="block w-full py-3 text-gray-
900"> </div> <div class="w-full"> <input type="submit" class="rounded-
md w-full mt-4 bg-indigo-500 px-3.5 py--2.5 text-sm font-semibold text-
white shadow-sm hover:bg-indigo-400 focus-visible:outline focus-
visible:outline-2 focus-visible:outline-offset-2 focus-
visible:outline-indigo-400" value="Criar presente"> </div> </div>
</form> </div> <div class="mx-auto"> <canvas id="myChart" class="">
</canvas> </div> </div> <div class="grid grid-cols-5 mt-4 gap-4">
<div> <img class="aspect-[3/2] w-full rounded-2xl object-cover" src=""
alt=""> <h3 class="mt-2 text-lg font-semibold leading-8 text-gray-
900">Air fryer</h3> <p class="mt-4 block text-sm leading-6 text-gray-
900">Reservado por Caio Sampaio</p> <p class="text-base leading-7
text-gray-600"></p> <span class="inline-flex items-center rounded-md
bg-green-400/10 px-2 py-1 text-xs font-medium text-green-400 ring-1
ring-inset ring-green-400/30">Pouco importante <svg
xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24"
stroke-width="1.5" stroke="currentColor" class="size-4 text-green-
400"> <path stroke-linecap="round" stroke-linejoin="round" d="M6 18 18
6M6 6l12 12" /> </svg> </span> </div> </div> </div> {% endblock %}
```

Para o gráfico adicione o JavaScript:

```
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script> <script>
const ctx = document.getElementById('myChart'); new Chart(ctx, { type:
'pie', data: { labels: ['Não reservado', 'Reservado'], datasets: [{
label: 'Presentes', data: [5, 6], borderWidth: 1 }] }, options: {
scales: { y: { beginAtZero: true } } } }); </script>
```

Agora vamos criar um partials/navbar.html para barra de navegação

```
{% load static %} <nav class="bg-slate-100"> <div class="mx-auto max-
w-7xl"> <div class="relative flex h-16 items-center justify-between">
<div class="flex flex-1 items-center justify-center sm:items-stretch
sm:justify-start"> <div class="flex flex-shrink-0 items-center"> <img
class="h-8 w-auto rounded-md" src=""> </div> <div class="hidden sm:ml-
6 sm:block"> <div class="flex"> <a href="{% url 'home' %}"
class="rounded-md px-3 py-2 text-sm font-medium text-gray-900
hover:bg-gray-700 hover:text-white">Lista de presentes</a> <a href=""
class="rounded-md px-3 py-2 text-sm font-medium text-gray-900
hover:bg-gray-700 hover:text-white">Convidados</a> </div> </div>
</div> </div> </div> </nav>
```

Inclua a navbar em base.html:

```
{% include "partials/navbar.html" %}
```

https://drive.google.com/drive/folders/14T6RrxyVd7ExrYUNRTQjEJJ5qYtcmfEE?
usp=sharing

Em templates/static/noivos/img adicione todas as imagens acima.

Adicione a logo na barra de navegação:

```
{% static 'noivos/img/logo.webp' %}
```

▶ **Presentes**

▾ Lista de convidados

Crie a URL para lista de convidados:

```
path('lista_convidados', views.lista_convidados,
name='lista_convidados'),
```

Agora a View lista_convidados:

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

Crie o HTML:

```
{% extends "base.html" %} {% load static %} {% block 'body' %} <div
class="max-w-7xl mx-auto mt-12"> <div class="grid gap-4 grid-cols-2">
<div class="bg-slate-200/20 p-6 rounded-md"> <form action="{% url
'lista_convidados' %}" method="POST">{% csrf_token %} <h2 class="text-
balance text-xl font-semibold tracking-tight text-gray-900">Cradastre
seus convidados</h2> <br> <label class="mt-4 block text-sm leading-6
text-gray-900">Nome do convidado</label> <input type="text"
name="nome_convidado" class="block w-full rounded-md border-0 px-3.5
py-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300
placeholder:text-gray-400 focus:ring-2 focus:ring-inset focus:ring-
indigo-600 sm:text-sm sm:leading-6"> <div class="grid grid-cols-2 gap-
2"> <div> <label class="mt-4 block text-sm leading-6 text-gray-
900">WhatsApp</label> <input type="text" name="whatsapp" class="block
w-full rounded-md border-0 px-3.5 py-2 text-gray-900 shadow-sm ring-1
ring-inset ring-gray-300 placeholder:text-gray-400 focus:ring-2
focus:ring-inset focus:ring-indigo-600 sm:text-sm sm:leading-6">
</div> <div> <label class="mt-4 block text-sm leading-6 text-gray-
900">Máximo de acompanhantes</label> <input type="number"
name="maximo_acompanhantes" class="block w-full rounded-md border-0
px-3.5 py-2 text-gray-900 shadow-sm ring-1 ring-inset ring-gray-300
placeholder:text-gray-400 focus:ring-2 focus:ring-inset focus:ring-
indigo-600 sm:text-sm sm:leading-6"> </div> <input type="submit"
class="rounded-md mt-4 bg-indigo-500 px-3.5 py-2.5 text-sm font-
semibold text-white shadow-sm hover:bg-indigo-400 focus-
visible:outline focus-visible:outline-2 focus-visible:outline-offset-2
focus-visible:outline-indigo-400" value="Adicionar convidado"> </div>
</form> </div> <div> <ul role="list" class="divide-y divide-gray-100">
{% for convidado in convidados %} <li class="flex items-center
justify-between gap-x-6 py-5"> <div class="flex min-w-0 gap-x-4"> <img
class="h-12 w-12 flex-none rounded-full bg-gray-50" src="{% static
'noivos/img/default.png' %}" alt=""> <div class="min-w-0 flex-auto">
<p class="text-sm font-semibold leading-6 text-gray-900">
{{convidado.nome_convidado}}</p> <p class="mt-1 truncate text-xs
leading-5 text-gray-500">{{convidado.whatsapp}}</p> <p class="mt-1
text-xs leading-5 text-gray-500">{{convidado.link_convite}}</p> </div>
</div> <span class="inline-flex items-center rounded-md px-2 py-1
text-xs font-medium ring-1 ring-inset {% if convidado.status == 'AC'
%}text-indigo-700 bg-indigo-50 ring-indigo-600/20{% elif
convidado.status == 'C'%}text-green-700 bg-green-50 ring-green-
600/20{% else %}text-red-700 bg-red-50 ring-red-600/20{% endif %}">
{{convidado.get_status_display}}</span> </li> {% endfor %} </ul>
</div> </div> </div> {% endblock %}
```

Atualize a navbar:

```
<a href="{% url 'lista_convidados' %}" class="rounded-md px-3 py-2
text-sm font-medium text-gray-900 hover:bg-gray-700 hover:text-
white">Convidados</a>
```

Crie a model para os convidados:

```
class Convidados(models.Model): status_choices = ( ('AC', 'Aguardando
confirmação'), ('C', 'Confirmado'), ('R', 'Recusado') ) nome_convidado
= models.CharField(max_length=100) whatsapp =
models.CharField(max_length=25, null=True, blank=True)
maximo_acompanhantes = models.PositiveIntegerField(default=0) token =
models.CharField(max_length=25) status =
models.CharField(max_length=2, choices=status_choices, default='AC')
def save(self, *args, **kwargs): if not self.token: self.token =
secrets.token_urlsafe(16) super(Convidados, self).save(*args,
**kwargs)
```

Envie os dados do formulário para o Back-end

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

Processe os dados:

```
def lista_convidados(request): if request.method == 'GET': convidados
= Convidados.objects.all() return render(request,
'lista_convidados.html', {'convidados': convidados}) elif
request.method == 'POST': nome_convidado =
request.POST.get('nome_convidado') whatsapp =
request.POST.get('whatsapp') maximo_acompanhantes =
int(request.POST.get('maximo_acompanhantes')) convidados = Convidados(
nome_convidado=nome_convidado, whatsapp=whatsapp,
maximo_acompanhantes=maximo_acompanhantes ) convidados.save() return
redirect('lista_convidados')
```

▼ Convidado

Crie um app para os convidados:

```
python3 manage.py startapp convidados
```

Instale o APP

Crie a URL para convidados:

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

Agora a URL de convidados:

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

Crie a views convidados:

```
def convidados(request): token = request.GET.get('token') convidado =
Convidados.objects.get(token=token) presentes =
Presentes.objects.filter(reservado=False).order_by('-importancia')
return render(request, 'convidados.html', {'convidado': convidado,
'presentes': presentes, 'token': token})
```

Exiba a URL de cada convidado:

```python
@property def link_convite(self): return
f'http://127.0.0.1:8000{reverse("convidados")}?token={self.token}'
```

Crie o convidados.html

```python
@property def link_convite(self): return
f'http://127.0.0.1:8000{reverse("convidados")}?token={self.token}'
```

```
{% extends "base.html" %} {% block 'body' %} <div class="max-w-7xl mx-
auto mt-12"> <div class="mx-auto max-w-2xl text-center"> <h2
class="text-balance text-4xl font-semibold tracking-tight text-gray-
900 sm:text-5xl">Olá, {{convidado.nome_convidado}}</h2> <p class="mt-2
text-lg leading-8 text-gray-600">Confirme sua presença no casamento:
<a href="" class="text-green-400">confirmar</a>, <a href=""
class="text-red-400">recusar</a></p> </div> <br> <hr> <div class="grid
grid-cols-2 gap-4"> <div> <p class="mt-2 text-lg leading-8 text-gray-
600">Escolha o presente para os noivos</p> <div class="grid grid-cols-
3 mt-4 gap-4"> {% for presente in presentes %} <div> {% if
presente.foto %} <img class="aspect-[3/2] w-full rounded-2xl object-
cover" src="{{presente.foto.url}}" alt=""> {% endif %} <h3 class="mt-2
text-lg font-semibold leading-8 text-gray-900">
{{presente.nome_presente}}</h3> <p class="text-base leading-7 text-
gray-600"></p> {% if presente.importancia <= 2 %} <span class="inline-
flex items-center rounded-md bg-green-400/10 px-2 py-1 text-xs font-
medium text-green-400 ring-1 ring-inset ring-green-400/30">Pouco
importante <svg xmlns="http://www.w3.org/2000/svg" fill="none"
viewBox="0 0 24 24" stroke-width="1.5" stroke="currentColor"
class="size-4 text-green-400"> <path stroke-linecap="round" stroke-
linejoin="round" d="M6 18 18 6M6 6l12 12" /> </svg> </span> {% elif
presente.importancia < 4 %} <span class="inline-flex items-center
rounded-md bg-orange-400/10 px-2 py-1 text-xs font-medium text-orange-
400 ring-1 ring-inset ring-orange-400/30">Importante <svg
xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24"
stroke-width="1.5" stroke="currentColor" class="size-4 text-orange-
400"> <path stroke-linecap="round" stroke-linejoin="round" d="M6 18 18
6M6 6l12 12" /> </svg> </span> {% else %} <span class="inline-flex
items-center rounded-md bg-red-400/10 px-2 py-1 text-xs font-medium
text-red-400 ring-1 ring-inset ring-red-400/30">Muito importante <svg
xmlns="http://www.w3.org/2000/svg" fill="none" viewBox="0 0 24 24"
stroke-width="1.5" stroke="currentColor" class="size-4 text-red-400">
<path stroke-linecap="round" stroke-linejoin="round" d="M6 18 18 6M6
6l12 12" /> </svg> </span> {% endif %} <a href="" class="rounded-md
block w-full mt-4 bg-indigo-500 px-3.5 py-2.5 text-sm font-semibold
text-white shadow-sm hover:bg-indigo-400 focus-visible:outline focus-
visible:outline-2 focus-visible:outline-offset-2 focus-
visible:outline-indigo-400 cursor-pointer">Reservar</a> </div> {%
endfor %} </div> </div> <div class="bg-slate-200/20 p-6 rounded-md mt-
4 drop-shadow-lg ring-1 ring-gray-600/20"> <h2 class="text-balance
text-xl font-semibold tracking-tight text-gray-900 text-
center">Adicione seus acompanhantes</h2> <form action=""
```