

The background is a light cream color with a repeating pattern of colorful, stylized dinosaurs and plants. The dinosaurs include a green long-necked dinosaur, a purple Triceratops, an orange T-Rex, a red Stegosaurus, a blue long-necked dinosaur, and a pink Pterosaur. There are also green leaves and a brown egg. A white rectangular box with a thin grey border is centered on the page.

Django Projeto Dino



Requisitos

- Windows 10
- Python 3.8
- Visual Code Studio





Comandos iniciais

```
mkdir django-project  
cd django-project  
python3 -m venv myenv  
. myenv/Scripts/activate  
pip install django  
pip install djangorestframework  
pip install pillow  
django-admin startproject dinoProject  
cd dinoProject  
python manage.py startapp dinosaurs
```

Incluir 'rest_framework' e 'dinosaurs' em
INSTALLED_APPS, no arquivo *settings.py*

The background is a dark blue pattern featuring various cartoon dinosaurs and plants. In the top left, there is a pink Pterosaur. To its right is a green long-necked dinosaur. Further right is a purple Triceratops. In the top right corner is an orange T-Rex. Below the Pterosaur on the left is a red Stegosaurus. In the bottom left is a green long-necked dinosaur. In the bottom center is a purple Triceratops. In the bottom right is an orange T-Rex. On the right side, there is a light blue long-necked dinosaur. Various green leaves and a light blue egg are scattered throughout the background.

1. MODEL



```
1 # dinosaurs/models.py
2 from django.db import models
3
4 class Dinosaur(models.Model):
5
6     class Meta:
7         verbose_name_plural = "Dinossauros"
8         verbose_name = "Dinossauro"
9
10    name = models.CharField(
11        max_length=30,
12        verbose_name="Nome"
13    )
14    image = models.ImageField(
15        upload_to='uploads',
16        verbose_name="Imagem"
17    )
```





2. SERIALIZER



```
1 from .models import Dinosaur
2 from rest_framework import serializers
3
4
5 class DinosaurSerializer(
6     serializers.ModelSerializer):
7     class Meta:
8         model = Dinosaur
9         fields = "__all__"
10
```

The background is a dark blue pattern featuring various cartoon dinosaurs and plants. There are green long-necked dinosaurs, orange T-Rexes, purple Triceratops, pink Pterosaurs, and blue Stegosaurus. There are also green leaves and light blue eggs scattered throughout.

3. Views



```
from rest_framework import viewsets
from .models import Dinosaur
from .serializer import DinosaurSerializer

class DinosaurViewSet(viewsets.ModelViewSet):
    queryset = Dinosaur.objects.all()
    serializer_class = DinosaurSerializer
```





4. Admin



```
from django.contrib import admin
from dinosaurs.models import Dinosaur

admin.site.register(Dinosaur)
```





5. Rotas



```
from django.contrib import admin
from django.urls import path, include
from dinosaurs import views
from rest_framework.routers import DefaultRouter

router = DefaultRouter()
router.register(
    "dinosaurs",
    views.DinosaurViewSet
)

urlpatterns = [
    path("admin/", admin.site.urls),
    path("", include(router.urls))
]
```





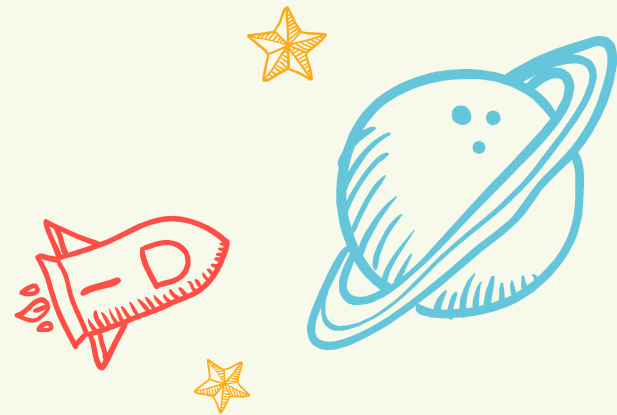
.6 Superuser e Migrations



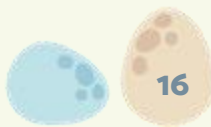
De volta ao terminal

```
python manage.py makemigrations  
python manage.py migrate  
python manage.py createsuperuser
```

Acesse <https://localhost:8000/admin> com seu username e senha e coloque seus dinossauros no catálogo!



Pronto!





Django administration

WELCOME, **ADMIN**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Dinosaurs > Dinossauros > Dinosaur object (1)

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Users

+ Add

DINOSAURS

Dinossauros

+ Add

Change Dinossauro

HISTORY

Nome:

Imagem:

Currently: uploads/photo-1581557991964-125469da3b8a.jpg

Change: Nenhum arquivo selecionado

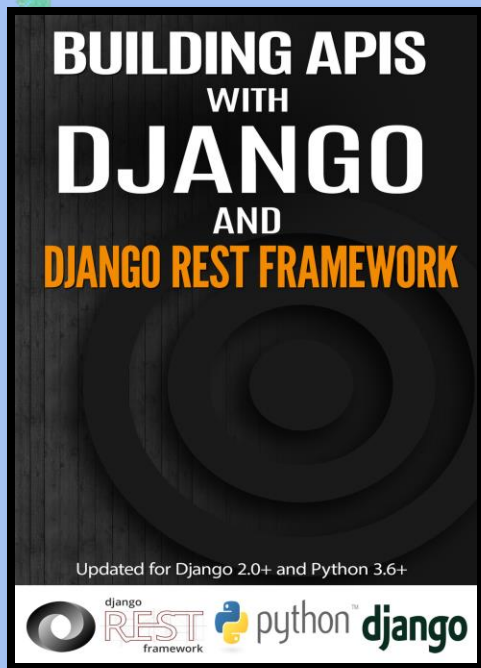
Delete

Save and add another

Save and continue editing

SAVE





E depois?!

- Django Admin Cookbook
- Building APIs with Django and Django Rest Framework

<https://books.agiliq.com/>



**Ainda acha que
não tem tempo pra
aprender Python?**



Obrigado!

Perguntas?

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