

DJANGO REST FRAMEWORK

pip install django

pip install djangorestframework

django-admin startapp drfsimplecrud

python manage.py runserver

python manage.py startapp projects

```
settings.py X
drfsimplecrud > settings.py > ...
32
33 INSTALLED_APPS = [
34     'django.contrib.admin',
35     'django.contrib.auth',
36     'django.contrib.contenttypes',
37     'django.contrib.sessions',
38     'django.contrib.messages',
39     'django.contrib.staticfiles',
40     'projects',
41     'rest_framework',
42 ]
```

```
models.py X
projects > models.py > ...
1 from django.db import models
2
3 # Create your models here.
4 class Project(models.Model):
5     title = models.CharField(max_length=200)
6     description = models.TextField()
7     technology = models.CharField(max_length=200)
8     created_at = models.DateTimeField(auto_now_add=True)
```

python manage.py makemigrations

python manage.py migrate

crear archivo serializers.py

```
serializers.py X
projects > serializers.py > ...
1 from rest_framework import serializers
2 from .models import Project
3
4 class ProjectSerializer(serializers.ModelSerializer):
5     class Meta:
6         model = Project
7         fields = ('id', 'title', 'description', 'technology', 'created_at')
8         read_only_fields = ('created_at', )
9
```

crear archivo api.py

```
api.py ×
projects > api.py > ...
1  from .models import Project
2  from rest_framework import viewsets, permissions
3  from .serializers import ProjectSerializer
4
5
6  class ProjectViewSet(viewsets.ModelViewSet):
7      queryset = Project.objects.all()
8      permission_classes = [permissions.AllowAny]
9      serializer_class = ProjectSerializer
```

crear urls.py en projects

```
urls.py ×
projects > urls.py > ...
1  from rest_framework import routers
2  from .api import ProjectViewSet
3
4  router = routers.DefaultRouter()
5
6  router.register('api/projects', ProjectViewSet, 'projects')
7
8  urlpatterns = router.urls
9
```