

CI Python Linter

```
from rest_framework import permissions
                                                                                                                             Settings:
   # This code was appropriated from Code Institute's DRF_API walkthrough project
5 class IsOwnerOrReadOnly(permissions.BasePermission):
        Checks if the user is the owner of the artwork, if not, only gives
        Read-only access.
                                                                                                                              Results:
        def has_object_permission(self, request, view, obj):
           if request.method in permissions.SAFE_METHODS:
                                                                                                                             All clear, no errors found
               return True
            return obj.owner == request.user
16 v class IsSellerOrReadOnly(permissions.BasePermission):
        Checks if the user is the seller of the artwork, if not, only gives
       Read-only access.
        def has_object_permission(self, request, view, obj):
           if request.method in permissions.SAFE_METHODS:
               return True
          return obj.seller == request.user
```



CI Python Linter

```
from dj_rest_auth.serializers import UserDetailsSerializer from rest_framework import serializers
                                                                                                                                                                                       Settings:
# This code was appropriated from Code Institute's DRF_API walkthrough project.
class CurrentUserSerializer(UserDetailsSerializer):
profile_id = serializers.ReadOnlyField(source='profile.id')
          profile_image = serializers.ReadOnlyField(source='profile.images.url')
                                                                                                                                                                                       Results:
          class Meta(UserDetailsSerializer.Meta):
                 fields = UserDetailsSerializer.Meta.fields + (
'profile_id', 'profile_image'
                                                                                                                                                                                       All clear, no errors found
```



CI Python Linter

```
Settings:
    Django settings for artly_api project.
                                                                                                                               ( · · · ·
    Generated by 'django-admin startproject' using Django 3.2.25.
  6 For more information on this file, see
   https://docs.djangoproject.com/en/3.2/topics/settings/
                                                                                                                              Results:
    For the full list of settings and their values, see
   https://docs.djangoproject.com/en/3.2/ref/settings/
                                                                                                                              All clear, no errors found
13 from pathlib import Path
import os
import dj_database_url
import re
18 v if os.path.exists('env.py'):
      import env
21 CLOUDINARY_STORAGE = {
         'CLOUDINARY_URL': os.environ.get('CLOUDINARY_URL')
24 MEDIA_URL = '/media/'
25 DEFAULT_FILE_STORAGE = 'cloudinary_storage.storage.MediaCloudinaryStorage'
27 # Build paths inside the project like this: BASE_DIR / 'subdir'.
28 BASE_DIR = Path(__file__).resolve().parent.parent
30 - REST_FRAMEWORK = {
         'DEFAULT_AUTHENTICATION_CLASSES': [(
             'rest_framework.authentication.SessionAuthentication'
            if 'DEV' in os.environ
            else 'dj_rest_auth.jwt_auth.JWTCookieAuthentication'
        )],
'DEFAULT PAGINATION CLASS':
```

```
"""artly_api URL Configuration
3 The `urlpatterns` list routes URLs to views. For more information please see:
        https://docs.djangoproject.com/en/3.2/topics/http/urls/
5 Examples:
6 Function views
       1. Add an import: from my_app import views
8 2. Add a URL to urlpatterns: path('', views.home, name='home')
9 Class-based views
10 1. Add an import: from other_app.views import Home
2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
     1. Import the include() function: from django.urls import include, path
     Add a URL to urlpatterns: path('blog/', include('blog.urls'))
16 from django.contrib import admin
17 from django.urls import path, include
18 from .views import root_route, logout_route
20 - urlpatterns = [
        path('', root_route),
        path('admin/', admin.site.urls),
       path('api-auth/', include('rest_framework.urls')),
# line 25 was taken from the Code Institute DRF api walkthrough project
path('dj-rest-auth/logout/', logout_route),
        path('dj-rest-auth/', include('dj_rest_auth.urls')),
        path(
             'dj-rest-auth/registration/', include('dj_rest_auth.registration.urls')
        path('', include('profiles.urls')),
        path('', include('artworks.urls')),
        path('', include('bids.urls')),
33 ]
```

Settings:







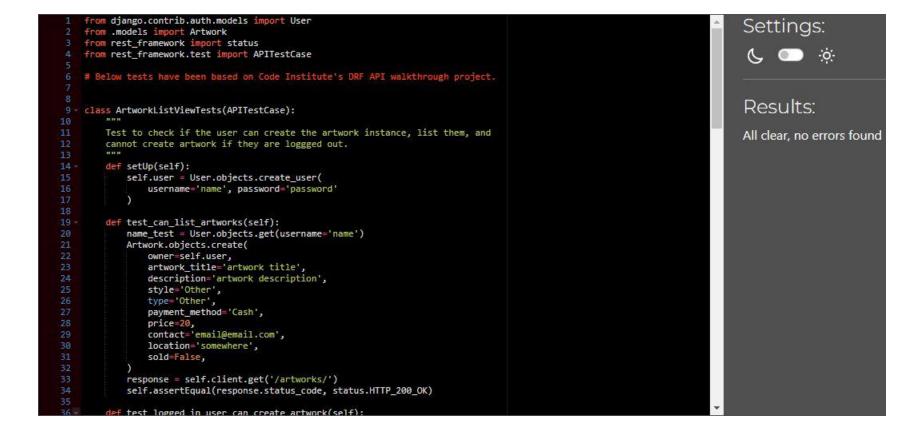
Results:

All clear, no errors found



```
from django.db import models
from django.contrib.auth.models import User
                                                                                                                                                                  Settings:
 4 STYLE = [
           ('Modern', 'Modern'),
           ('Contemporary', 'Contemporary'), ('Digital art', 'Digital art'),
           ('Old Masters', 'Old Masters'), ('Classical', 'Classical'),
                                                                                                                                                                  Results:
           ('Other', 'Other')
                                                                                                                                                                 All clear, no errors found
13 - TYPE = [
           ('Collage', 'Collage'),
           ('Drawing', 'Drawing'),
('Needlework', 'Needlework'),
           ('Etching', 'Etching'),
           ('Painting', 'Painting'),
('Photography', 'Photography'),
           ('Pottery', 'Pottery'),
           ('Sculpture', 'Sculpture'), ('Watercolour', 'Watercolour'),
           ('Other', 'Other')
26 - PAYMENT = [
           ('Paypal', 'Paypal'),
           ('Cash', 'Cash')
32 class Artwork(models.Model):
          Stores information related to an individual Artwork post.
           :model: 'auth.User'
```





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

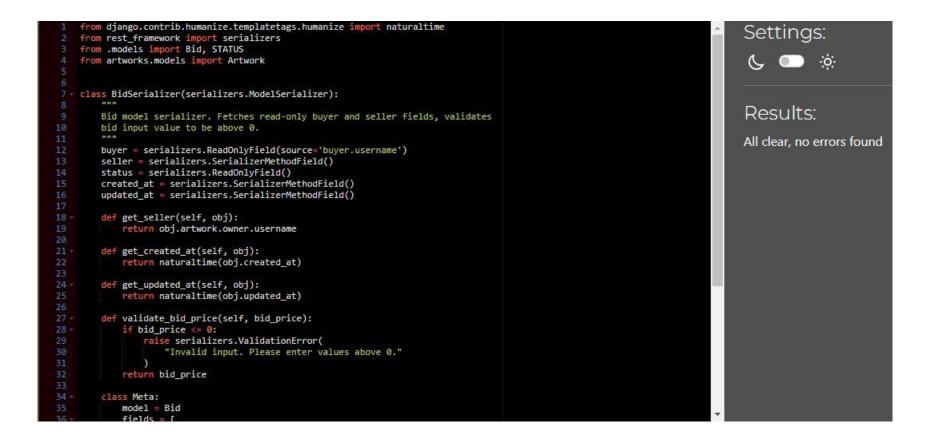
urlpatterns = [
    path('artworks/', views.ArtworkList.as_view()),
    path('artworks/<int:pk>/', views.ArtworkDetail.as_view()),

Results:

All clear, no errors found
```



```
from django.db import models
                                                                                                                                    Settings:
    from django.contrib.auth.models import User
    from artworks.models import Artwork
 6 STATUS = [
7 ('Pending', 'Pending'),
         ('Approved', 'Approved'),
('Rejected', 'Rejected'),
                                                                                                                                    Results:
         ('Sold', 'Sold'),
                                                                                                                                    All clear, no errors found
14 class Bid(models.Model):
         Stores information related to a bid which is attached to an individual
         artwork. Overriden save method identfies the seller as the artwork owner.
         :model: 'auth.User'
         :model: 'Artwork'
         buyer = models.ForeignKey(
            on_delete=models.CASCADE,
             related_name='buyer'
         seller = models.ForeignKey(
             User,
             on_delete=models.CASCADE,
             related_name='seller'
         artwork = models.ForeignKey(
             Artwork,
             on_delete=models.CASCADE,
             related_name='bids'
```



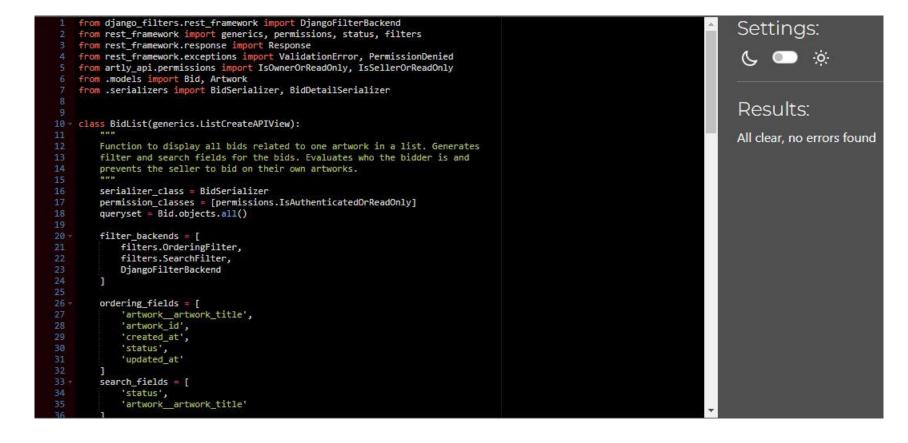


```
from django.urls import path
from bids import views

urlpatterns = [
    path('bids/', views.BidList.as_view()),
    path('bids/<int:pk>/', views.BidDetail.as_view()),

Results:

All clear, no errors found
```



```
from django.db import models
    from django.contrib.auth.models import User
    from django.db.models.signals import post_save
 6   class Profile(models.Model):
        Stores user profile information related to an individual user.
        :model: 'auth.User'
        owner = models.OneToOneField(User, on_delete=models.CASCADE)
        name = models.CharField(max_length=255, blank=True)
        location = models.CharField(max_length=255, blank=True)
        profile_image = models.ImageField(
            upload_to='images/', default='../default_profile_nbsf4p'
        styles = models.CharField(max_length=255, blank=True)
        techniques = models.TextField(blank=True)
        influences = models.TextField(blank=True)
        collaborations = models.TextField(blank=True)
        portfolio_url = models.URLField(blank=True)
        created_at = models.DateTimeField(auto_now_add=True)
        updated_at = models.DateTimeField(auto_now=True)
            ordering = ['-created_at']
        def __str__(self):
            return f"{self.owner}'s profile"
32 v def create_profile(sender, instance, created, **kwargs):
        """Creates a profile every time a user registers."""
        if created:
            Profile.objects.create(owner=instance)
```

Settings:







Results:

All clear, no errors found



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

urlpatterns = [
path('profiles/', views.ProfileList.as_view()),
path('profiles/<int:pk>/', views.ProfileDetail.as_view())

Results:

All clear, no errors found
```

```
1 from django.db.models import Count, Q
2 from rest_framework import generics, filters
                                                                                                                                             Settings:
 3 from artly_api.permissions import IsOwnerOrReadOnly
4 from .models import Profile
5 from .serializers import ProfileSerializer
 8  class ProfileList(generics.ListAPIView):
                                                                                                                                             Results:
         """Displays all created profiles and generates a filter field."""
         serializer_class = ProfileSerializer
         queryset = Profile.objects.annotate(
                                                                                                                                            All clear, no errors found
             artwork_count=Count('owner__artwork', distinct=True),
             sold_artwork_count=Count(
                  'owner_artwork',
                 distinct=True,
                 filter=Q(owner__artwork__sold=True)
         ).order_by('-created_at')
         filter backends = [
             filters.OrderingFilter
         ordering_fields = [
             'artwork_count',
             'sold_artwork_count'
29 class ProfileDetail(generics.RetrieveUpdateAPIView):
         Retrieves the user's profile and allows to update it.Calculates sold
         artwork count to display the users based on the count.
         serializer_class = ProfileSerializer
        permission_classes = [IsOwnerOrReadOnly]
guervset = Profile.objects.annotate(
```