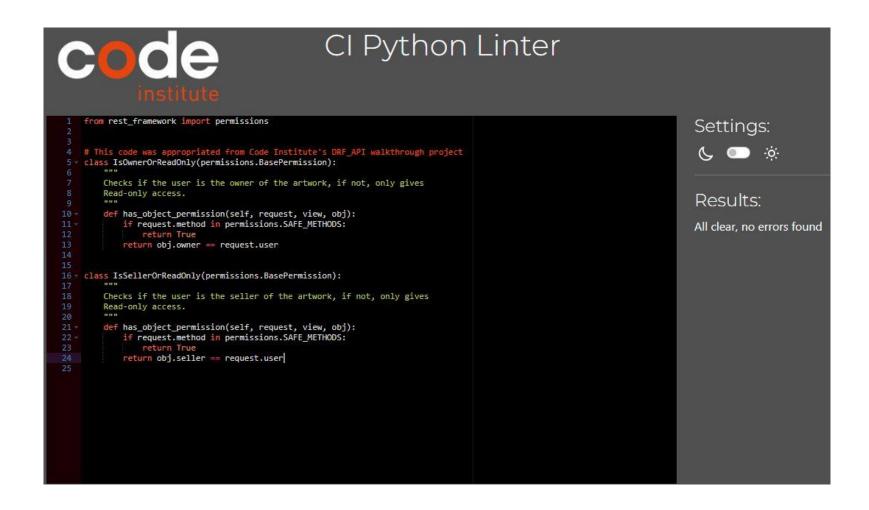
Artly_api – main project app





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:

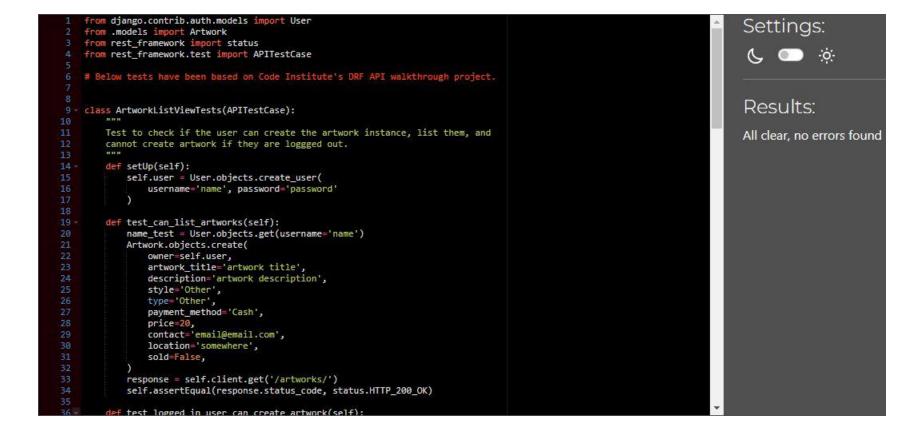
All clear, no errors found



Artwork app







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

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

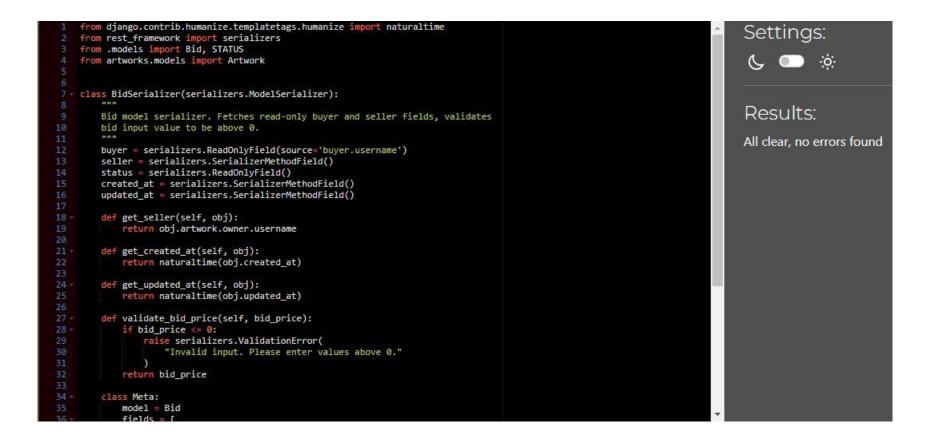
Results:

All clear, no errors found
```



Bids app

```
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 v 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'
```



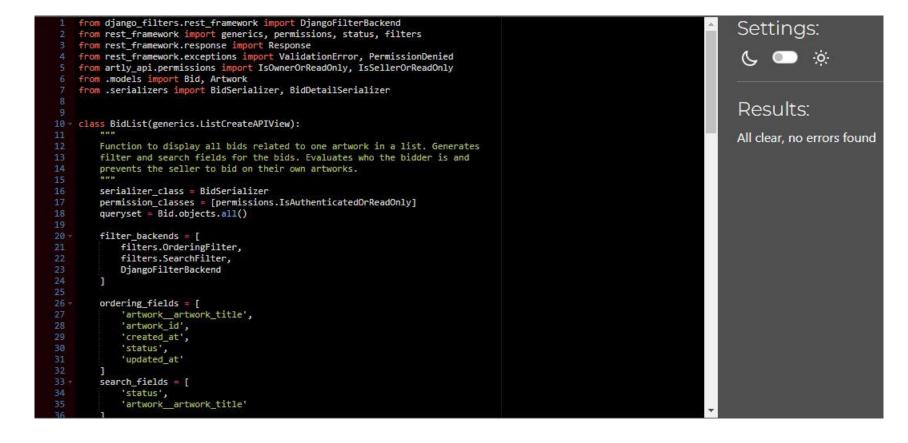


```
from django.urls import path
from bids import views

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

Results:

All clear, no errors found
```



Profiles app

```
from django.db import models
                                                                                                                                Settings:
    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.
                                                                                                                                Results:
        :model: 'auth.User'
        owner = models.OneToOneField(User, on_delete=models.CASCADE)
                                                                                                                                All clear, no errors found
        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)
```



```
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:

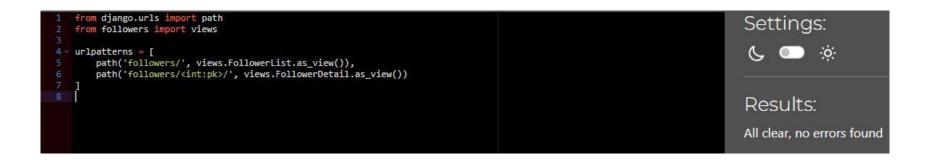
All clear, no errors found
```

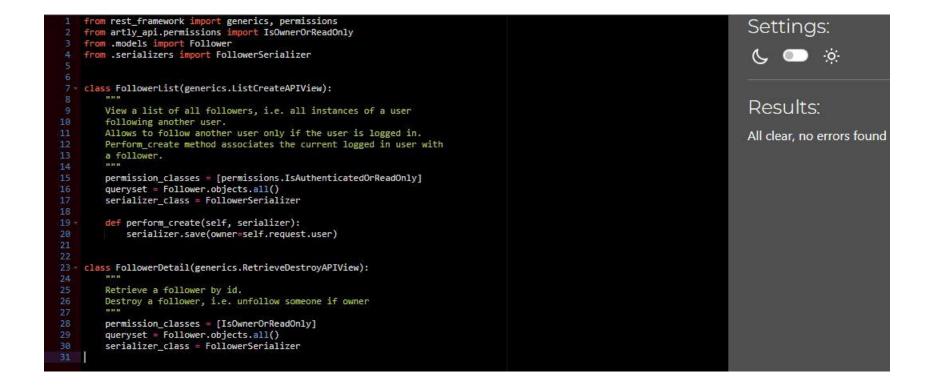
```
1 from django.db.models import Count, Q
2 from rest_framework import generics, filters
                                                                                                                                             Settings:
 3 from artly_api.permissions import IsOwnerOrReadOnly
4 from .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(
```

Followers app

```
from django.db import models
                                                                                                                              Settings:
   from django.contrib.auth.models import User
5 r class Follower(models.Model):
       Follower model allows the users to follow and be followed back by other
       users by clicking an icon. Related to the owner and followed.
                                                                                                                              Results:
       :model: 'auth.User'
       'unique_together' makes sure a user can't follow the same user twice.
       This part of code(followers functionality) has been taken from the Code
                                                                                                                              All clear, no errors found
       Institute's DRF Api walkthrough (details in the README.md).
       owner = models.ForeignKey(
          User, related_name='following', on_delete=models.CASCADE
       followed = models.ForeignKey(
           User, related_name='followed', on_delete=models.CASCADE
       created_at = models.DateTimeField(auto_now_add=True)
       class Meta:
           ordering = ['-created_at']
           unique_together = ['owner', 'followed']
       def __str__(self):
          return f'{self.owner} {self.followed}'
```







Saves app

```
from django.db import models
from django.contrib.auth.models import User
                                                                                                                                  Settings:
    from artworks.models import Artwork
6 - class Save(models.Model):
       Save model enables the user to save an artwork by clicking on the save
                                                                                                                                  Results:
        icon. 'unique_together' field prevents the user to save the same artwork
        more than once.
        :model: 'auth.User'
                                                                                                                                  All clear, no errors found
        :model: 'Artwork'
       owner = models.ForeignKey(User, on_delete=models.CASCADE)
       artwork = models.ForeignKey(
            Artwork, related_name='saves', on_delete=models.CASCADE
        created_at = models.DateTimeField(auto_now_add=True)
        class Meta:
            ordering = ['-created_at']
            unique_together = ['owner', 'artwork']
       def __str__(self):
           return f'{self.owner} {self.post}'
26
```



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

urlpatterns = [
path('saved/', views.SaveList.as_view()),
path('saved/<int:pk>', views.SaveDetail.as_view()),

Results:

All clear, no errors found
```

