PEP8 of products app

CI Python Linter

```
1   from django.contrib import admin
2   from django.utils.html import format_html
3   from .models import Category, Product, Ingredient, ProductGallery
4
5
6   class ProductGalleryInline(admin.TabularInline):
7       model = ProductGallery
8       extra = 3
9
10      def image_preview(self, obj):
11          if obj.image:
12              return format_html(
13                  '<img src="{}" width="50" height="50" />', obj.image.url)
14          return "No Image"
15
16      image_preview.allow_tags = True
17      image_preview.short_description = "Image Preview"
18
19
20  class ProductAdmin(admin.ModelAdmin):
21      list_display = (
22          'name',
23          'category',
24          'price',
25          'is_bundle',
26          'image',
27          'weight',
28      )
29
30      list_filter = ('category', 'is_bundle')
31      ordering = ('name',)
32      filter_horizontal = ('ingredients',)
33
34      inlines = [ProductGalleryInline]
35
36      def get_fields(self, request, obj=None):
```

Settings:

🌙 ⬤ ☀

Results:

All clear, no errors found

admin.py

PEP8 of products app

CI Python Linter

```
1   from django.apps import AppConfig
2
3
4   class ProductsConfig(AppConfig):
5       default_auto_field = 'django.db.models.BigAutoField'
6       name = 'products'
7
```

Settings:

Results:

All clear, no errors found

apps.py

PEP8 of products app

CI Python Linter

```python
from django import forms
from .models import Product, Category


class ProductForm(forms.ModelForm):
    """ Form to add/edit products """
    image = forms.ImageField(
        required=True,
        error_messages={'required': 'An image is required to add a product.'}
    )

    class Meta:
        model = Product
        fields = '__all__'

    def __init__(self, *args, **kwargs):
        super().__init__(*args, **kwargs)
        categories = Category.objects.all()
        display_names = [(c.id, c.get_display_name()) for c in categories]

        self.fields['category'].choices = display_names
        for field_name, field in self.fields.items():
            field.widget.attrs['class'] = 'border-black rounded-0'
```

Settings:

Results:

All clear, no errors found

forms.py

PEP8 of products app

CI Python Linter

```python
1   from django.db import models
2   from cloudinary.models import CloudinaryField
3
4
5   class Category(models.Model):
6
7       class Meta:
8           verbose_name_plural = 'Categories'
9
10      name = models.CharField(max_length=254)
11      display_name = models.CharField(max_length=254, null=True, blank=True)
12
13      def __str__(self):
14          return self.name
15
16      def get_display_name(self):
17          return self.display_name
18
19
20  class Ingredient(models.Model):
21      name = models.CharField(max_length=100)
22      image = CloudinaryField('image', null=True, blank=True)
23
24      def __str__(self):
25          return self.name
26
27
28  class Product(models.Model):
29      name = models.CharField(max_length=100)
30      description = models.TextField(blank=True, null=True)
31      price = models.DecimalField(max_digits=6, decimal_places=2)
32      weight = models.IntegerField(
33          default=140, help_text='weight in grams', null=True, blank=True)
34      category = models.ForeignKey(
35          Category, on_delete=models.CASCADE, related_name="products")
36      image = CloudinaryField('image', null=True, blank=True)
```

Settings:

Results:

All clear, no errors found

models.py

PEP8 of products app


```python
1  from django.urls import path
2  from . import views
3
4  urlpatterns = [
5      path('', views.all_products, name='products'),
6      path('<int:product_id>/', views.product_detail, name='product_detail'),
7      path('add/', views.add_product, name='add_product'),
8      path('edit/<int:product_id>/', views.edit_product, name='edit_product'),
9      path(
10         'delete/<int:product_id>/',
11         views.delete_product, name='delete_product'),
12  ]
13
```

Settings:

Results:

All clear, no errors found

urls.py

PEP8 of products app

CI Python Linter

```python
1  from django.shortcuts import render, redirect, reverse,  get_object_or_404
2  from django.contrib import messages
3  from django.contrib.auth.decorators import login_required
4  from django.db.models import Q
5
6  from .models import Product, Category
7  from .forms import ProductForm
8
9  # Create your views here.
10
11
12  def all_products(request):
13      """ A view to show all products, including sorting and search queries """
14      products = Product.objects.exclude(name="Pendle Moor (Gift)")
15
16      query = None
17      categories = None
18      sort = None
19      direction = None
20      current_category_display_name = None
21
22      if request.GET:
23
24          if 'sort' in request.GET:
25              sort = request.GET['sort']
26              direction = request.GET.get('direction', 'asc')
27              if sort == 'name':
28                  products = products.order_by(
29                      'name' if direction == 'asc' else '-name')
30              elif sort == 'price':
31                  products = products.order_by(
32                      'price' if direction == 'asc' else '-price')
33
34          if 'category' in request.GET:
35              categories = request.GET['category'].split(',')
36              products = products.filter(category__name__in=categories)
```

Settings:

🌙 ⬤ ☀

Results:

All clear, no errors found

views.py