

# PEP8 code validation - checkout app

## admin.py

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#### Your code

```
1 """admin set up for 'checkout' app, show OrderLineItem inside Orders"""
2 from django.contrib import admin
3 from .models import Order, OrderLineItem
4
5
6 class OrderLineItemAdminInline(admin.TabularInline):
7     """
8     OrderLineItems items will show up inside the relevant Order
9     """
10    model = OrderLineItem
11    readonly_fields = ('lineitem_total',)
12
13
14 class OrderAdmin(admin.ModelAdmin):
15     """
```

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## models.py

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#### Your code

```
1 """
2 models for checkout app - handle checkout process. Credit: Code Institute
3 """
4 import uuid
5 from django.db import models
6 from django.db.models import Sum
7 from django.conf import settings
8 from django_countries.fields import CountryField
9 from products.models import Product
10 from profiles.models import UserProfile
11
12
13 class Order(models.Model):
14     """
15     The order as a whole, with the delivery details.
```

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## forms.py

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#### Your code

```
1 """Order form for checkout app"""
2 from django import forms
3 from .models import Order
4
5
6 class OrderForm(forms.ModelForm):
7     """form for customer details, delivery details"""
8     class Meta:
9         """
10        Form based on Order model, but only need to display the fields
11        the user must complete. The others are calculated automatically.
12        """
13        model = Order
14        fields = ('full_name', 'email', 'phone_number',
15                'street_address1', 'street_address2',
```

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## test\_forms.py

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#### Your code

```
1 """Tests for forms in checkout app"""
2 from django.test import TestCase
3 from .forms import OrderForm
4
5
6 class TestOrderForm(TestCase):
7     """Tests for the OrderForm"""
8     def test_fields_are_explicit_in_form_metaclass(self):
9         """
10        Check the Meta fields attribute is equal to the list of fields
11        defined in the form Meta innerclass
12        """
13        form = OrderForm()
14        self.assertEqual(
15            form.Meta.fields, (
```

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# PEP8 code validation - checkout app

## test\_models.py

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### Your code

```
1 """Tests for models in checkout app"""
2 from decimal import Decimal
3 from django.test import TestCase
4 from products.models import Product, Category
5 from .models import Order, OrderLineItem
6
7
8 class TestOrderModel(TestCase):
9     """Tests for Order model"""
10
11     @classmethod
12     def setUpTestData(cls):
13         """
14         Create instance of Categyory and Order for tests.
15         Create 4 instances of Product - prices set as 5, 10, 15 and 20.
```

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## urls.py

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### Your code

```
1 """URL paths for the 'checkout' app (checkout/payment page)"""
2 from django.urls import path
3 from . import views
4 from .webhooks import webhook
5
6
7 urlpatterns = [
8     path('', views.checkout, name='checkout'),
9     path(
10         'checkout_success/<order_number>',
11         views.checkout_success,
12         name='checkout_success'
13     ),
14     path(
15         'cache_checkout_data/',
```

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## test\_views.py

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### Your code

```
1 """Tests for Views in the checkout app"""
2 from django.test import TestCase
3 from django.shortcuts import reverse
4 from django.contrib.auth.models import User
5 from django.contrib.messages import get_messages
6 from django.conf import settings
7 from products.models import Product, Category
8 from profiles.models import UserProfile
9 from .models import Order
10
11
12 class TestCheckoutView(TestCase):
13     """Tests for the checkout view"""
14     @classmethod
15     def setUp(cls):
```

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## views.py

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### Your code

```
1 """Views for checkout app - checkout page to complete a purchase"""
2 import json
3 from django.shortcuts import (
4     render, redirect, reverse, get_object_or_404, HttpResponseRedirect
5 )
6 from django.views.decorators.http import require_POST
7 from django.contrib import messages
8 from django.conf import settings
9
10 import stripe
11
12 from cart.contexts import cart_contents
13 from products.models import Product
14 from profiles.models import UserProfile
15 from profiles.forms import UserProfileForm
```

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# PEP8 code validation - checkout app

## *signals.py*

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### Your code

```
1 """
2 To listen for signals from OrderLineItem - when instance of this model
3 is saved or deleted. Then call the update_total method on the Order
4 instance that the lineitem relates to, so that the totals in the Order
5 instance get updated.
6 """
7 # signals are sent after (post) a model is saved or deleted
8 from django.db.models.signals import post_save, post_delete
9 # to receive the signals
10 from django.dispatch import receiver
11 from .models import OrderLineItem
12
13
14 @receiver(post_save, sender=OrderLineItem)
15 def update_on_save(sender, instance, created, **kwargs):
```

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## *webhooks.py*

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### Your code

```
1 """webhook view for stripe webhooks"""
2 from django.conf import settings
3 from django.http import HttpResponse
4 from django.views.decorators.http import require_POST
5 from django.views.decorators.csrf import csrf_exempt
6
7 import stripe
8
9 from checkout.webhook_handler import StripeWebHookHandler
10
11
12 @require_POST
13 @csrf_exempt
14 def webhook(request):
15     """
```

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## *webhook\_handler.py*

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### Your code

```
1 """Handler for stripe webhooks, used in webhooks.py. Credit: Code Institute"""
2 import json
3 import time
4 from django.http import HttpResponse
5 from django.core.mail import send_mail
6 from django.template.loader import render_to_string
7 from django.conf import settings
8 from products.models import Product
9 from profiles.models import UserProfile
10 from .models import Order, OrderLineItem
11
12
13 class StripeWebHookHandler:
14     """Custom class to handle Stripe webhooks - used in webhooks.py"""
15
```

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