

PEP8 code validation - cart app

cart_tools.py

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Your code

```
1 """custom template filter for subtotal - for cart.html page"""
2 from django import template
3
4 # variable register which is an instance of template.library
5 register = template.Library()
6
7
8 # add the decorator to register the function as a template filter
9 @register.filter(name='calc_subtotal')
10 def calc_subtotal(price, quantity):
11     """take price and quantity and return the product of the two"""
12     return price * quantity
13
```

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test_views.py

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Your code

```
1 """Tests for views in 'cart' app (display items in cart, adjust, remove)"""
2 from decimal import Decimal
3 from django.test import TestCase
4 from django.contrib.messages import get_messages
5 from products.models import Category, Product
6 from .templatetags.cart_tools import calc_subtotal
7
8
9 class TestViewCartView(TestCase):
10     """To test the view_cart view - page displaying items in cart"""
11     @classmethod
12     def setUp(cls):
13         """
14         Create instance of Category and Product for test
15         """
16
```

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contexts.py

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Your code

```
1 """context processor for cart items, totals and delivery charges"""
2 from decimal import Decimal
3 from django.conf import settings
4 from django.shortcuts import get_object_or_404
5 from products.models import Product
6
7
8 def cart_contents(request):
9     """
10     Context processor - returns context dict for use by any template.
11     Get cart from session, if not there then create cart empty dictionary.
12     Iterate through items in cart dict, get product, set total and count,
13     append dict of item_id, quantity, product object to cart_items list.
14     Calculate delivery charge based on threshold in settings.py and amt
15     of spend left to get free delivery
16
```

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urls.py

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Your code

```
1 """URL paths for the 'cart' app (purchasing items)"""
2 from django.urls import path
3 from . import views
4
5
6 urlpatterns = [
7     path('', views.view_cart, name='view_cart'),
8     path('add/<item_id>', views.add_to_cart, name='add_to_cart'),
9     path('adjust/<item_id>', views.adjust_cart, name='adjust_cart'),
10    path('remove/<item_id>/', views.remove_from_cart, name='remove_from_cart'),
11 ]
12
```

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PEP8 code validation - cart app

views.py

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Your code

```
1  """Views for cart app - view, adjust, remove items to be purchased"""
2  from django.shortcuts import (
3      render, redirect, reverse, HttpResponseRedirect, get_object_or_404
4      )
5  from django.contrib import messages
6  from products.models import Product
7
8
9  def view_cart(request):
10     """Show the items in the cart"""
11     return render(request, 'cart/cart.html')
12
13
14  def add_to_cart(request, item_id):
15     """
```

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