

Bag App – apps.py



CI Python Linter

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


Settings:



Results:

All clear, no errors found



Bag App – bag_tools.py



CI Python Linter

```
1 from django import template
2
3
4 register = template.Library()
5
6
7 @register.filter(name='calc_subtotal')
8 def calc_subtotal(price, quantity):
9     return price * quantity
10 |
```

Settings:

 ☒ 

Results:

All clear, no errors found

Bag App – contexts.py



CI Python Linter

```
11 product_count = 0
12 bag = request.session.get('bag', {})
13
14 for item_id, quantity in bag.items():
15     product = get_object_or_404(Product, pk=item_id)
16     total += quantity * product.price
17     product_count += quantity
18     bag_items.append({
19         'item_id': item_id,
20         'quantity': quantity,
21         'product': product,
22     })
23
24 if total < settings.FREE_DELIVERY_THRESHOLD:
25     delivery = total * Decimal(settings.STANDARD_DELIVERY_PERCENTAGE / 100)
26     free_delivery_delta = settings.FREE_DELIVERY_THRESHOLD - total
27 else:
28     delivery = 0
29     free_delivery_delta = 0
30
31 grand_total = delivery + total
32
33 context = {
34     'bag_items': bag_items,
35     'total': total,
36     'product_count': product_count,
37     'delivery': delivery,
38     'free_delivery_delta': free_delivery_delta,
39     'free_delivery_threshold': settings.FREE_DELIVERY_THRESHOLD,
40     'grand_total': grand_total,
41 }
42
43 return context
44
```

Settings:



Results:

All clear, no errors found

Bag App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the shopping bag """
5
6 urlpatterns = [
7     path('', views.view_bag, name='view_bag'),
8     path('add/<item_id>/', views.add_to_bag, name='add_to_bag'),
9     path('adjust/<item_id>/', views.adjust_bag, name='adjust_bag'),
10    path('remove/<item_id>/', views.remove_from_bag, name='remove_from_bag'),
11 ]
12
```

Settings:



Results:

All clear, no errors found

Bag App – views.py



CI Python Linter

```
35 """Adjust the quantity of the specified product to the specified amount"""
36
37 product = get_object_or_404(Product, pk=item_id)
38 quantity = int(request.POST.get('quantity'))
39 bag = request.session.get('bag', {})
40
41 if quantity > 0:
42     bag[item_id] = quantity
43     messages.success(
44         request, f'Updated {product.name} quantity to {bag[item_id]}')
45 else:
46     bag.pop(item_id)
47     messages.success(request, f'Removed {product.name} from your bag')
48
49 request.session['bag'] = bag
50 return redirect(reverse('view_bag'))
51
52
53 def remove_from_bag(request, item_id):
54     """Remove the item from the shopping bag"""
55
56     try:
57         product = get_object_or_404(Product, pk=item_id)
58         bag = request.session.get('bag', {})
59         bag.pop(item_id)
60         messages.success(request, f'Removed {product.name} from your bag')
61
62         request.session['bag'] = bag
63         return HttpResponseRedirect(status=200)
64
65     except Exception as e:
66         messages.error(request, f'Error removing item: {e}')
67         return HttpResponseRedirect(status=500)
68
```

Settings:



Results:

All clear, no errors found

Checkout App – admin.py



CI Python Linter

```
1 from django.contrib import admin
2 from .models import Order, OrderLineItem
3
4
5 class OrderLineItemAdminInline(admin.TabularInline):
6     model = OrderLineItem
7     readonly_fields = ('lineitem_total',)
8
9
10 class OrderAdmin(admin.ModelAdmin):
11     inlines = (OrderLineItemAdminInline,)
12
13     readonly_fields = (
14         'order_number', 'date', 'delivery_cost', 'order_total',
15         'grand_total', 'original_bag', 'stripe_pid',)
16
17     fields = (
18         'order_number', 'user_profile', 'date', 'full_name',
19         'email', 'street_address1', 'street_address2',
20         'town_or_city', 'country', 'country',
21         'postcode', 'phone_number', 'order_total',
22         'delivery_cost', 'grand_total', 'original_bag', 'stripe_pid',)
23
24     list_display = ('order_number', 'date', 'full_name',
25                    'order_total', 'delivery_cost',
26                    'grand_total',)
27
28     ordering = ('-date',)
29
30
31 admin.site.register(Order, OrderAdmin)
32
```

Settings:



Results:

All clear, no errors found

Checkout App – apps.py



CI Python Linter

```
1 from django.apps import AppConfig
2
3
4 class CheckoutConfig(AppConfig):
5     name = 'checkout'
6
7     def ready(self):
8         import checkout.signals
9
```

Settings:



Results:

All clear, no errors found

Checkout App – forms.py



CI Python Linter

```
8 fields = (  
9     'full_name', 'email', 'phone_number',  
10    'street_address1', 'street_address2',  
11    'town_or_city', 'postcode', 'country',  
12    'county',)  
13  
14 def __init__(self, *args, **kwargs):  
15     """  
16     Add placeholders and classes, remove auto-generated  
17     labels and set autofocus on first field  
18     """  
19     super().__init__(*args, **kwargs)  
20     placeholders = {  
21         'full_name': 'Full Name',  
22         'email': 'Email Address',  
23         'phone_number': 'Phone Number',  
24         'postcode': 'Postal Code',  
25         'town_or_city': 'Town or City',  
26         'street_address1': 'Street Address 1',  
27         'street_address2': 'Street Address 2',  
28         'county': 'County',  
29     }  
30  
31     self.fields['full_name'].widget.attrs['autofocus'] = True  
32     for field in self.fields:  
33         if field != 'country':  
34             if self.fields[field].required:  
35                 placeholder = f'{placeholders[field]} *'  
36             else:  
37                 placeholder = placeholders[field]  
38             self.fields[field].widget.attrs['placeholder'] = placeholder  
39             self.fields[field].widget.attrs['class'] = 'stripe-style-input'  
40             self.fields[field].label = False  
41
```

Settings:



Results:

All clear, no errors found

Checkout App – models.py



CI Python Linter

```
70         self.order_number = self._generate_order_number()
71         super().save(*args, **kwargs)
72
73     def __str__(self):
74         return self.order_number
75
76
77     """
78     OrderLineItem Model
79     """
80
81
82     class OrderLineItem(models.Model):
83         order = models.ForeignKey(
84             Order, null=False, blank=False, on_delete=models.CASCADE,
85             related_name='lineitems')
86         product = models.ForeignKey(
87             Product, null=False, blank=False, on_delete=models.CASCADE)
88         quantity = models.IntegerField(null=False, blank=False, default=0)
89         lineitem_total = models.DecimalField(
90             max_digits=6, decimal_places=2, null=False, blank=False,
91             editable=False)
92
93     def save(self, *args, **kwargs):
94         """
95         Override the default save method to set the lineitem total
96         and update the order total.
97         """
98         self.lineitem_total = self.product.price * self.quantity
99         super().save(*args, **kwargs)
100
101     def __str__(self):
102         return f'SKU {self.product.sku} on order {self.order.order_number}'
103
```

Settings:



Results:

All clear, no errors found

Checkout App – signals.py



CI Python Linter

```
1 from django.db.models.signals import post_save, post_delete
2 from django.dispatch import receiver
3
4 from .models import OrderLineItem
5
6
7 @receiver(post_save, sender=OrderLineItem)
8 def update_on_save(sender, instance, created, **kwargs):
9     """
10     Update order total on lineitem update/create
11     """
12     instance.order.update_total()
13
14
15 @receiver(post_delete, sender=OrderLineItem)
16 def update_on_delete(sender, instance, **kwargs):
17     """
18     Update order total on lineitem delete
19     """
20     instance.order.update_total()
21 |
```

Settings:



Results:

All clear, no errors found

Checkout App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3 from .webhooks import webhook
4
5 """ urls for the checkout """
6
7 urlpatterns = [
8     path('', views.checkout, name='checkout'),
9     path(
10         'checkout_success/<order_number>',
11         views.checkout_success, name='checkout_success'),
12     path(
13         'cache_checkout_data/',
14         views.cache_checkout_data, name='cache_checkout_data'),
15     path('wh/', webhook, name='webhook'),
16 ]
17
```

Settings:



Results:

All clear, no errors found

Checkout App – views.py



CI Python Linter

```
140 profile = UserProfile.objects.get(user=request.user)
141 # Attach the user's profile to the order
142 order.user_profile = profile
143 order.save()
144
145 # Save the user's info
146 if save_info:
147     profile_data = {
148         'default_phone_number': order.phone_number,
149         'default_country': order.country,
150         'default_postcode': order.postcode,
151         'default_town_or_city': order.town_or_city,
152         'default_street_address1': order.street_address1,
153         'default_street_address2': order.street_address2,
154         'default_county': order.county,
155     }
156     user_profile_form = UserProfileForm(profile_data, instance=profile)
157     if user_profile_form.is_valid():
158         user_profile_form.save()
159
160 messages.success(request, f'Order successfully processed! \
161     Your order number is {order.number}. A confirmation \
162     email will be sent to {order.email}.')
163
164 if 'bag' in request.session:
165     del request.session['bag']
166
167 template = 'checkout/checkout_success.html'
168 context = {
169     'order': order,
170 }
171
172 return render(request, template, context)
173
```

Settings:



Results:

All clear, no errors found

Checkout App – webhook_handler.py



CI Python Linter

```
130         county_shipping_details.address.state,  
131         original_bag=bag,  
132         stripe_pid=pid,  
133     )  
134     for item_id, quantity in json.loads(bag).items():  
135         product = Product.objects.get(id=item_id)  
136         if isinstance(quantity, int):  
137             order_line_item = OrderLineItem(  
138                 order=order,  
139                 product=product,  
140                 quantity=quantity,  
141             )  
142             order_line_item.save()  
143     except Exception as e:  
144         if order:  
145             order.delete()  
146         return HttpResponse(  
147             content=f'Webhook received: {event["type"]} | ERROR: {e}',  
148             status=500)  
149     self.send_confirmation_email(order)  
150     return HttpResponse(  
151         content=f'''  
152         Webhook received: {event["type"]} |  
153         SUCCESS: Created order in webhook''',  
154         status=200)  
155  
156     def handle_payment_intent_payment_failed(self, event):  
157         """  
158         Handle the payment_intent.payment_failed webhook from Stripe  
159         """  
160         return HttpResponse(  
161             content=f'Webhook received: {event["type"]}',  
162             status=200)  
163
```

Settings:



Results:

All clear, no errors found

Checkout App – webhooks.py



CI Python Linter

```
24 try:
25     event = stripe.Webhook.construct_event(
26         payload, sig_header, wh_secret
27     )
28 except ValueError as e:
29     # Invalid payload
30     return HttpResponse(status=400)
31 except stripe.error.SignatureVerificationError as e:
32     # Invalid signature
33     return HttpResponse(status=400)
34 except Exception as e:
35     return HttpResponse(content=e, status=400)
36
37 # Set up a webhook handler
38 handler = StripeWH_Handler(request)
39
40 # Map webhook events to relevant handler functions
41 event_map = {
42     'payment_intent.succeeded': handler.handle_payment_intent_succeeded,
43     'payment_intent.payment_failed':
44         handler.handle_payment_intent_payment_failed,
45 }
46
47 # Get the webhook type from Stripe
48 event_type = event['type']
49
50 # If there's a handler for it, get it from the event map
51 # Use the generic one by default
52 event_handler = event_map.get(event_type, handler.handle_event)
53
54 # Call the event handler with the event
55 response = event_handler(event)
56 return response
57
```

Settings:



Results:

All clear, no errors found

Contact App – admin.py



CI Python Linter

```
1 from django.contrib import admin
2 from .models import Contact
3
4 admin.site.register(Contact)
5
```

Settings:



Results:

All clear, no errors found

Contact App – apps.py



CI Python Linter

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

Settings:



Results:

All clear, no errors found

Contact App – forms.py



CI Python Linter

```
1 from django import forms
2 from .models import Contact
3
4
5 class ContactUs(forms.ModelForm):
6     """
7     Form for users to contact the site owner
8     """
9     class Meta:
10         model = Contact
11         fields = ('name', 'email', 'message')
12
```

Settings:



Results:

All clear, no errors found

Contact App – models.py



CI Python Linter

```
1 from django.db import models
2
3
4 class Contact(models.Model):
5     """
6     Stores a 'contact us' request message.
7     """
8     name = models.CharField(max_length=200)
9     email = models.EmailField()
10    message = models.TextField()
11    read = models.BooleanField(default=False)
12
13    def __str__(self):
14        return f"Contact Us request from {self.name}"
15
```

Settings:



Results:

All clear, no errors found

Contact App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the contact form """
5
6 urlpatterns = [
7     path('', views.contact, name='contact'),
8 ]
9
```

Settings:



Results:

All clear, no errors found

Contact App – views.py



CI Python Linter

```
1 from django.shortcuts import render
2 from django.contrib import messages
3 from .forms import ContactUs
4
5
6 def contact(request):
7     if request.method == "POST":
8         contact_form = ContactUs(data=request.POST)
9         if contact_form.is_valid():
10             contact_form.save()
11             messages.add_message(
12                 request, messages.SUCCESS,
13                 """Message received!
14                 We will respond to you within 3 working days.""")
15
16         contact_form = ContactUs()
17
18     return render(
19         request,
20         "contact/contact.html",
21         {"contact_form": contact_form},
22     )
23
```

Settings:



Results:

All clear, no errors found

Home App – apps.py



CI Python Linter

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

Settings:



Results:

All clear, no errors found

Home App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the home page """
5
6 urlpatterns = [
7     path('', views.index, name='home')
8 ]
9
```

Settings:



Results:

All clear, no errors found

Home App – views.py



CI Python Linter

```
1 from django.shortcuts import render
2
3
4 def index(request):
5     """ A view to return the index page """
6
7     return render(request, 'home/index.html')
8
```

Settings:



Results:

All clear, no errors found

Products App – admin.py



CI Python Linter

```
1 from django.contrib import admin
2 from .models import Product, Category, Review
3
4
5 class ProductAdmin(admin.ModelAdmin):
6     list_display = (
7         'sku',
8         'name',
9         'category',
10        'price',
11        'image',
12    )
13
14    ordering = ('sku',)
15
16
17 class CategoryAdmin(admin.ModelAdmin):
18     list_display = (
19         'friendly_name',
20         'name',
21     )
22
23
24 admin.site.register(Product, ProductAdmin)
25 admin.site.register(Category, CategoryAdmin)
26 admin.site.register(Review)
27
```

Settings:



Results:

All clear, no errors found

Products App – apps.py



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

Products App – forms.py



CI Python Linter

```
1 from django import forms
2 from .widgets import CustomClearableFileInput
3 from .models import Product, Category, Review
4
5
6 class ProductForm(forms.ModelForm):
7
8     class Meta:
9         model = Product
10        fields = '__all__'
11
12        image = forms.ImageField(
13            label='Image', required=False, widget=CustomClearableFileInput)
14
15    def __init__(self, *args, **kwargs):
16        super().__init__(*args, **kwargs)
17        categories = Category.objects.all()
18        friendly_names = [(c.id, c.get_friendly_name()) for c in categories]
19
20        self.fields['category'].choices = friendly_names
21        for field_name, field in self.fields.items():
22            field.widget.attrs['class'] = 'border-black rounded-0'
23
24
25 class ReviewForm(forms.ModelForm):
26     """
27     Form for users to review on a product
28     """
29     class Meta:
30         model = Review
31         fields = ('rating', 'description',)
32
```

Settings:



Results:

All clear, no errors found

Products App – models.py



CI Python Linter

```
33 sku = models.CharField(max_length=254, null=True, blank=True)
34 name = models.CharField(max_length=254)
35 author = models.CharField(max_length=254, null=True, blank=True)
36 brand = models.CharField(max_length=254, null=True, blank=True)
37 description = models.TextField()
38 price = models.DecimalField(max_digits=6, decimal_places=2)
39 image_url = models.URLField(max_length=1024, null=True, blank=True)
40 image = models.ImageField(null=True, blank=True)
41
42 def __str__(self):
43     return self.name
44
45
46 """
47 Review Model
48 """
49
50
51 class Review(models.Model):
52     product = models.ForeignKey(
53         Product, on_delete=models.CASCADE, related_name="reviews")
54     author = models.ForeignKey(
55         User, on_delete=models.CASCADE, related_name="reviewer")
56     rating = models.IntegerField(choices=RATING, default=5)
57     description = models.TextField(blank=True)
58     approved = models.BooleanField(default=False)
59     created_on = models.DateTimeField(auto_now_add=True)
60
61 class Meta:
62     ordering = ["created_on"]
63
64 def __str__(self):
65     return f"{self.description} by {self.author}"
66
```

Settings:



Results:

All clear, no errors found

Products App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the product pages """
5
6 urlpatterns = [
7     path('', views.all_products, name='products'),
8     path('<int:product_id>/', views.product_detail, name='product_detail'),
9     path('add/', views.add_product, name='add_product'),
10    path('edit/<int:product_id>/', views.edit_product, name='edit_product'),
11    path(
12        'delete/<int:product_id>/',
13        views.delete_product, name='delete_product'),
14    path(
15        '<int:product_id>/edit_review/<int:review_id>',
16        views.review_edit, name='review_edit'),
17    path(
18        '<int:product_id>/delete_review/<int:review_id>',
19        views.review_delete, name='review_delete'),
20 ]
21
```

Settings:



Results:

All clear, no errors found

Products App – views.py



CI Python Linter

```
177 product = get_object_or_404(Product, pk=product_id)
178 review = get_object_or_404(Review, pk=review_id)
179 review_form = ReviewForm(data=request.POST, instance=review)
180
181
182 if review_form.is_valid() and review.author == request.user:
183     review = review_form.save(commit=False)
184     review.product = product
185     review.approved = False
186     review.save()
187     messages.add_message(request, messages.SUCCESS, 'Review Updated!')
188 else:
189     messages.add_message(
190         request, messages.ERROR, 'Error updating review!')
191
192 return HttpResponseRedirect(reverse('product_detail', args=[product.id]))
193
194
195 def review_delete(request, review_id, product_id):
196     """
197     Delete an individual review.
198     """
199     product = get_object_or_404(Product, pk=product_id)
200     review = get_object_or_404(Review, pk=review_id)
201
202     if review.author == request.user:
203         review.delete()
204         messages.add_message(request, messages.SUCCESS, 'Review deleted!')
205     else:
206         messages.add_message(
207             request, messages.ERROR, 'You can only delete your own reviews!')
208
209     return HttpResponseRedirect(reverse('product_detail', args=[product.id]))
210
```

Settings:



Results:

All clear, no errors found

Products App – widgets.py



CI Python Linter

```
1 from django.forms.widgets import ClearableFileInput
2 from django.utils.translation import gettext_lazy as _
3
4
5 class CustomClearableFileInput(ClearableFileInput):
6     clear_checkbox_label = _('Remove')
7     initial_text = _('Current Image')
8     input_text = _('')
9     template_name = (
10         'products/custom_widget_templates/custom_clearable_file_input.html')
11
```

Settings:



Results:

All clear, no errors found

Profiles App – admin.py



CI Python Linter

```
1 from django.contrib import admin
2 from .models import UserProfile
3
4
5 admin.site.register(UserProfile)
6 |
```

Settings:



Results:

All clear, no errors found

Profiles App – apps.py



CI Python Linter

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

Settings:



Results:

All clear, no errors found

Profiles App – forms.py



CI Python Linter

```
3
4
5 class UserProfileForm(forms.ModelForm):
6     """
7     A user profile form for input of default
8     delivery information
9     """
10
11 class Meta:
12     model = UserProfile
13     exclude = ('user',)
14
15 def __init__(self, *args, **kwargs):
16     super().__init__(*args, **kwargs)
17     placeholders = {
18         'default_phone_number': 'Phone Number',
19         'default_postcode': 'Postal Code',
20         'default_town_or_city': 'Town or City',
21         'default_street_address1': 'Street Address 1',
22         'default_street_address2': 'Street Address 2',
23         'default_county': 'County, State or Locality',
24     }
25
26 self.fields['default_phone_number'].widget.attrs['autofocus'] = True
27
28 for field in self.fields:
29     if field != 'default_country':
30         if self.fields[field].required:
31             placeholder = f'{placeholders[field]} *'
32         else:
33             placeholder = placeholders[field]
34         self.fields[field].widget.attrs['placeholder'] = placeholder
35     self.fields[field].widget.attrs[
36         'class'] = 'border-black rounded-0 profile-form-input'
37     self.fields[field].label = False
```

Settings:



Results:

All clear, no errors found

Profiles App – models.py



CI Python Linter

```
8
9 ~ class UserProfile(models.Model):
10     """
11     A user profile model for maintaining default
12     delivery information and order history
13     """
14     user = models.OneToOneField(User, on_delete=models.CASCADE)
15     default_phone_number = models.CharField(
16         max_length=20, null=True, blank=True)
17     default_street_address1 = models.CharField(
18         max_length=80, null=True, blank=True)
19     default_street_address2 = models.CharField(
20         max_length=80, null=True, blank=True)
21     default_town_or_city = models.CharField(
22         max_length=40, null=True, blank=True)
23     default_county = models.CharField(max_length=80, null=True, blank=True)
24     default_postcode = models.CharField(max_length=20, null=True, blank=True)
25     default_country = CountryField(
26         blank_label='Country', null=True, blank=True)
27
28 ~ def __str__(self):
29     return self.user.username
30
31
32 @receiver(post_save, sender=User)
33 ~ def create_or_update_user_profile(sender, instance, created, **kwargs):
34     """
35     Create or update the user profile
36     """
37 ~ if created:
38     UserProfile.objects.create(user=instance)
39     # Existing users: just save the profile
40     instance.userprofile.save()
41
```

Settings:



Results:

All clear, no errors found

Profiles App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the profile pages """
5
6 urlpatterns = [
7     path('', views.profile, name='profile'),
8     path(
9         'order_history/<order_number>',
10        views.order_history, name='order_history'),
11 ]
12 |
```

Settings:



Results:

All clear, no errors found

Profiles App – views.py



CI Python Linter

```
19         messages.success(request, 'Profile updated successfully')
20     else:
21         messages.err(
22             request, 'Update failed. Please ensure the form is valid.')
23 else:
24     form = UserProfileForm(instance=profile)
25     orders = profile.orders.all()
26
27     template = 'profiles/profile.html'
28     context = {
29         'form': form,
30         'orders': orders,
31         'on_profile_page': True
32     }
33
34     return render(request, template, context)
35
36
37 def order_history(request, order_number):
38     order = get_object_or_404(Order, order_number=order_number)
39
40     messages.info(request, (
41         f'This is a past confirmation for order number {order_number}. '
42         'A confirmation email was sent on the order date.'
43     ))
44
45     template = 'checkout/checkout_success.html'
46     context = {
47         'order': order,
48         'from_profile': True,
49     }
50
51     return render(request, template, context)
52
```

Settings:



Results:

All clear, no errors found

The Crafty Quilt Company App – urls.py



CI Python Linter

```
1 from .views import handler404
2 from django.contrib import admin
3 from django.urls import path, include
4 from django.conf import settings
5 from django.conf.urls.static import static
6
7 urlpatterns = [
8     path('admin/', admin.site.urls),
9     path('accounts/', include('allauth.urls')),
10    path('', include('home.urls')),
11    path('products/', include('products.urls')),
12    path('bag/', include('bag.urls')),
13    path('checkout/', include('checkout.urls')),
14    path('profile/', include('profiles.urls')),
15    path("contact/", include("contact.urls"), name="contact-urls"),
16    path('wishlist/', include('wishlist.urls')),
17 ] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
18
19 handler404 = 'the_crafty_quilt_company.views.handler404'
20 |
```

Settings:



Results:

All clear, no errors found

The Crafty Quilt Company App – views.py



CI Python Linter

```
1 from django.shortcuts import render
2
3
4 def handler404(request, exception):
5     """ Error Handler 404 - Page Not Found """
6     return render(request, "errors/404.html", status=404)
7
```

Settings:



Results:

All clear, no errors found

Wishlist App – admin.py



CI Python Linter

```
1 from django.contrib import admin
2 from .models import Wishlist, WishlistItem
3
4 admin.site.register(Wishlist)
5 admin.site.register(WishlistItem)
6 |
```

Settings:



Results:

All clear, no errors found

Wishlist App – apps.py



CI Python Linter

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

Settings:



Results:

All clear, no errors found

Wishlist App – models.py



CI Python Linter

```
1 from django.db import models
2 from django.contrib.auth.models import User
3 from products.models import Product
4
5
6 class Wishlist(models.Model):
7     """
8     Model to show all product items within the users wishlist
9     """
10    user = models.OneToOneField(User, on_delete=models.CASCADE)
11    products = models.ManyToManyField(
12        Product, through="WishlistItem", related_name='product_wishlists')
13
14    def __str__(self):
15        return f'Wishlist ({self.user})'
16
17
18 class WishlistItem(models.Model):
19     """
20     A 'through' model, allowing users to add
21     individual products to their wishlist.
22     """
23
24    product = models.ForeignKey(
25        Product, null=False, blank=False, on_delete=models.CASCADE)
26    wishlist = models.ForeignKey(
27        Wishlist, null=False, blank=False, on_delete=models.CASCADE)
28
29    def __str__(self):
30        return self.product.name
31
```

Settings:



Results:

All clear, no errors found

Wishlist App – urls.py



CI Python Linter

```
1 from django.urls import path
2 from . import views
3
4 """ urls for the wishlist """
5
6 urlpatterns = [
7     path('', views.wishlist, name='wishlist'),
8     path(
9         'wishlist/add_to_wishlist/<product_id>',
10        views.add_to_wishlist,
11        name='add_to_wishlist'),
12     path(
13         'remove_from_wishlist/<product_id>',
14        views.remove_from_wishlist,
15        name='remove_from_wishlist'),
16 ]
17 |
```

Settings:



Results:

All clear, no errors found

Wishlist App – views.py



CI Python Linter

```
26
27
28 @login_required
29 def add_to_wishlist(request, product_id):
30     """
31     Add a product from the store to the
32     wishlist for the logged in user
33     """
34     product = get_object_or_404(Product, pk=product_id)
35
36     # Create a wishlist for the user if they don't have one
37     wishlist, _ = Wishlist.objects.get_or_create(user=request.user)
38     # Add product to the wishlist
39     wishlist.products.add(product)
40     messages.success(request, f'Added {product.name} to your wishlist')
41
42     return redirect(request.META.get('HTTP_REFERER'))
43
44
45 @login_required
46 def remove_from_wishlist(request, product_id):
47     """
48     Add a product from the store to the
49     wishlist for the logged in user
50     """
51     wishlist = Wishlist.objects.get(user=request.user)
52     product = get_object_or_404(Product, pk=product_id)
53
54     # Remove product from the wishlist
55     wishlist.products.remove(product)
56     messages.success(request, f'Removed {product.name} from your wishlist')
57
58     return redirect(request.META.get('HTTP_REFERER'))
59
```

Settings:



Results:

All clear, no errors found

custom_storages.py



CI Python Linter

```
1 from django.conf import settings
2 from storages.backends.s3boto3 import S3Boto3Storage
3
4
5 class StaticStorage(S3Boto3Storage):
6     location = settings.STATICFILES_LOCATION
7
8
9 class MediaStorage(S3Boto3Storage):
10     location = settings.MEDIAFILES_LOCATION
11 |
```

Settings:



Results:

All clear, no errors found