

The code for the portfolio.

```
<ul>
  {% for product in products %}
    <li>{{ product.name }} - {{ product.price }}</li>
  {% endfor %}
</ul>
```

product_details.html:

html

Copy code

```
<!-- Display the details of a specific product -->
<h2>{{ product.name }}</h2>
<p>{{ product.description }}</p>
<p>Price: {{ product.price }}</p>
<button onclick="addToCart({{ product.id }})">Add to Cart</button>
```

cart.html:

html

Copy code

```
<!-- Display the items in the cart -->
<h2>Your Cart</h2>
<ul>
  {% for item in cart.items %}
    <li>{{ item.product.name }} - {{ item.quantity }}</li>
  {% endfor %}
</ul>
```

JavaScript code to handle interactions:

javascript

Copy code

```
// Function to add a product to the cart
function addToCart(productId) {
  // Send an AJAX request to the server to add the product to the cart
  // ...
}
```

Back-end Development (Python, Django):

models.py:

python

Copy code

```
from django.db import models
from django.contrib.auth.models import User
```

```
class Product(models.Model):
    name = models.CharField(max_length=100)
    description = models.TextField()
    price = models.DecimalField(max_digits=8, decimal_places=2)
```

```
class Order(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    product = models.ForeignKey(Product, on_delete=models.CASCADE)
```

```
    quantity = models.IntegerField()
```

views.py:

python

Copy code

```
from django.shortcuts import render
```

```
from .models import Product
```

```
def product_listing(request):
```

```
    products = Product.objects.all()
```

```
    return render(request, 'product_listing.html', {'products': products})
```

```
def product_details(request, product_id):
```

```
    product = Product.objects.get(id=product_id)
```

```
    return render(request, 'product_details.html', {'product': product})
```

```
def add_to_cart(request, product_id):
```

```
    # Retrieve the product based on the product_id
```

```
    # Add the product to the user's cart
```

```
    # Save the cart
```

```
    # Redirect the user to the cart page or display a success message
```

```
    pass
```

urls.py:

python

Copy code

```
from django.urls import path
```

```
from . import views
```

```
urlpatterns = [
```

```
    path('products/', views.product_listing, name='product_listing'),
```

```
    path('products/<int:product_id>', views.product_details, name='product_details'),
```

```
    path('cart/add/<int:product_id>', views.add_to_cart, name='add_to_cart'),
```

```
]
```