**Tutorial 03-A to do in class – Remember to upload the repo link to Teams**

**A. A cart system**

**View/Controller**

* Go to *pages/views.py* and add the following content:

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| --- |
| **Add Entire Code** |

class CartView(View):

template\_name = 'cart/index.html'

def get(self, request):

# Simulated database for products

products = {}

products[121] = {'name': 'Tv samsung', 'price': '1000'}

products[11] = {'name': 'Iphone', 'price': '2000'}

# Get cart products from session

cart\_products = {}

cart\_product\_data = request.session.get('cart\_product\_data', {})

for key, product in products.items():

if str(key) in cart\_product\_data.keys():

cart\_products[key] = product

# Prepare data for the view

view\_data = {

'title': 'Cart - Online Store',

'subtitle': 'Shopping Cart',

'products': products,

'cart\_products': cart\_products

}

return render(request, self.template\_name, view\_data)

def post(self, request, product\_id):

# Get cart products from session and add the new product

cart\_product\_data = request.session.get('cart\_product\_data', {})

cart\_product\_data[product\_id] = product\_id

request.session['cart\_product\_data'] = cart\_product\_data

return redirect('cart\_index')

class CartRemoveAllView(View):

def post(self, request):

# Remove all products from cart in session

if 'cart\_product\_data' in request.session:

del request.session['cart\_product\_data']

return redirect('cart\_index')}

**Template/views**

* Go to *pages/templates/* and create a folder *cart*
* Go to *pages/templates/cart* and create a file *index.html* with the following content:

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| --- |
| **Add Entire Code** |

{% extends 'pages/base.html' %}

{% block title %} {{title}} {% endblock %}

{% block header\_title %} {{subtitle}} {% endblock %}

{% block content %}

<div class="container">

<div class="row justify-content-center">

<div class="col-md-12">

<h1>Available products</h1>

<ul>

{% for key, product in products.items %}

<li>

Id: {{ key }} -

Name: {{ product.name }} -

Price: {{ product.price }} -

<form method="post" action="{% url 'cart\_add' key %}">

{% csrf\_token %}

<button type="submit">Add product to cart</button>

</form>

</li>

{% endfor %}

</ul>

</div>

</div>

<div class="row justify-content-center">

<div class="col-md-12">

<h1>Products in cart</h1>

<ul>

{% for key, product in cart\_products.items %}

<li>

Id: {{ key }} -

Name: {{ product.name }} -

Price: {{ product.price }}

</li>

{% endfor %}

</ul>

<form method="post" action="{% url 'cart\_removeAll' %}">

{% csrf\_token %}

<button type="submit">Remove all products from cart</button>

</form>

</div>

</div>

</div>

{% endblock %}

**Routes**

* Go to *pages/urls.py* and add these new routes by adding the next lines at the end of the file (check **bold**).

|  |
| --- |
| **Add Bold Code** |

…

urlpatterns = [

path('', HomePageView.as\_view(), name='home'),

path('about/', AboutPageView.as\_view(), name='about'),

path('products/', ProductIndexView.as\_view(), name='index'),

path('products/create', ProductCreateView.as\_view(), name='form'),

path('products/product-created', ProductCreateSuccessView.as\_view(), name='product-created'),

**path('cart/', CartView.as\_view(), name='cart\_index'),**

**path('cart/add/<str:product\_id>', CartView.as\_view(), name='cart\_add'),**

**path('cart/removeAll', CartRemoveAllView.as\_view(), name='cart\_removeAll'),**

**]**

**Run the application**

Go to <http://127.0.0.1:8000/cart> add some products to the cart and remove them.

Interfaz de usuario gráfica, Aplicación, Sitio web

Descripción generada automáticamente

**Note:** complete the **Django Login tutorial** in **Chapter 10 of the Django 4 for The Impatient book**. It will be useful to understand some concepts in the next class. IF you do not have access to the book, please notify the professor.