

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

A. A cart system

Controller

- Go to *app/http/Controllers/* and create a file *CartController.php*, with the following content:

Add Entire Code

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\RedirectResponse;
use Illuminate\Http\Request;
use Illuminate\View\View;

class CartController extends Controller
{
    public function index(Request $request): View
    {
        $products = []; //this simulates the database
        $products[121] = ['name' => 'Tv samsung', 'price' => '1000'];
        $products[11] = ['name' => 'Iphone', 'price' => '2000'];

        $cartProducts = [];
        $cartProductData = $request->session()->get('cart_product_data'); //we get the products
        stored in session
        if ($cartProductData) {
            foreach ($products as $key => $product) {
                if (in_array($key, array_keys($cartProductData))) {
                    $cartProducts[$key] = $product;
                }
            }
        }

        $viewData = [];
```

```

$viewData['title'] = 'Cart - Online Store';
$viewData['subtitle'] = 'Shopping Cart';
$viewData['products'] = $products;
$viewData['cartProducts'] = $cartProducts;

return view('cart.index')->with('viewData', $viewData);
}

public function add(string $id, Request $request): RedirectResponse
{
    $cartProductData = $request->session()->get('cart_product_data');
    $cartProductData[$id] = $id;
    $request->session()->put('cart_product_data', $cartProductData);

    return back();
}

public function removeAll(Request $request): RedirectResponse
{
    $request->session()->forget('cart_product_data');

    return back();
}
}

```

Views

- Go to *resources/views/* and create a folder *cart*
- Go to *resources/views/cart* and create a file *index.blade.php* with the following content:

Add Entire Code

```

@extends('layouts.app')
@section('title', $viewData['title'])
@section('subtitle', $viewData['subtitle'])
@section('content')
<div class="container">
    <div class="row justify-content-center">

```

```

<div class="col-md-12">
<h1>Available products</h1>
<ul>
@foreach($viewData["products"] as $key => $product)
    <li>
        Id: {{ $key }} -
        Name: {{ $product["name"] }} -
        Price: {{ $product["price"] }} -
        <a href="{{ route('cart.add', ['id'=> $key]) }}">Add to cart</a>
    </li>
@endforeach
</ul>
</div>
</div>

<div class="row justify-content-center">
<div class="col-md-12">
<h1>Products in cart</h1>
<ul>
@foreach($viewData["cartProducts"] as $key => $product)
    <li>
        Id: {{ $key }} -
        Name: {{ $product["name"] }} -
        Price: {{ $product["price"] }}
    </li>
@endforeach
</ul>
    <a href="{{ route('cart.removeAll') }}">Remove all products from cart</a>
</div>
</div>
</div>
@endsection

```

Routes

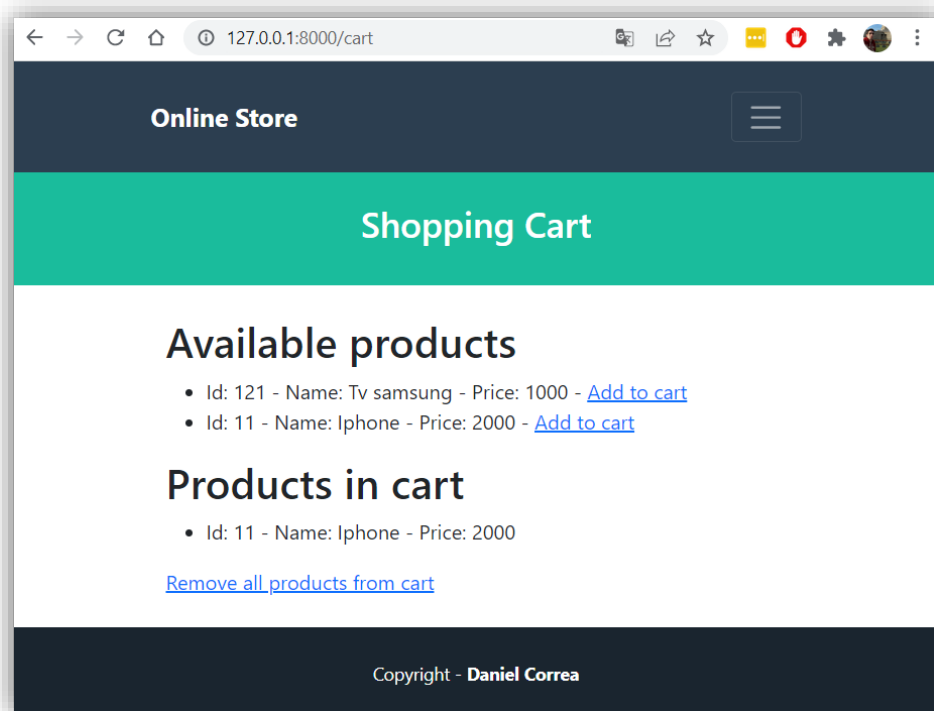
- Go to *routes/web.php* and add these new routes by adding the next lines at the end of the file (check **bold**).

Modify Bold Code

```
...  
Route::get('/cart', 'App\Http\Controllers\CartController@index')->name("cart.index");  
Route::get('/cart/add/{id}', 'App\Http\Controllers\CartController@add')->name("cart.add");  
Route::get('/cart/removeAll/', 'App\Http\Controllers\CartController@removeAll')->  
name("cart.removeAll");
```

Run the application

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



Note: complete the **Laravel Login tutorial** (which was uploaded to Teams files). It will be useful to understand some concepts in the next class.