

Câu 08. Xây dựng chức năng **giỏ hàng** cho ứng dụng Laravel. Một số giao diện ứng dụng như sau:

a. Trang home

localhost:8080/tmdt/

My Laptop Shop Số lượng:2

Menu
Home

Danh Sách Sản Phẩm

STT	Mã SP	Tên Sản Phẩm	Giá SP	Hành Động
1	sp001	Dell 01	1000.00	+ Thêm giỏ hàng
2	sp002	Dell 02	800.00	+ Thêm giỏ hàng
3	sp003	Dell 03	900.00	+ Thêm giỏ hàng
4	sp004	Hp 01	1100.00	+ Thêm giỏ hàng
5	sp005	Hp 02	950.00	+ Thêm giỏ hàng
6	sp006	Asus 01	770.00	+ Thêm giỏ hàng

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b. Trang giỏ hàng

localhost:8080/tmdt/listcart

My Laptop Shop

Menu
Home

Your Cart

Item	Item Cost	Quantity	Item Total
Dell 03	900.00	<input type="text" value="1"/>	900.00
Hp 02	950.00	<input type="text" value="1"/>	950.00
Subtotal			\$ 1,850.00

Click "Update Cart" to update quantities in your cart. Enter a quantity of 0 to remove an item.

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Gợi ý:

- **B1.** Định nghĩa lớp `app\Http\Controllers\CartController.php` xử lý các nghiệp vụ thêm sản phẩm vào giỏ hàng, cập nhật số lượng sản phẩm trên giỏ hàng, tính tổng thành tiền các sản phẩm.

Code mẫu:

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\DB;
```

```
use Illuminate\Support\Facades\Session;
class CartController extends Controller
{
    public function addcart($key){
        if(!empty($key)){
            $this->additemcart($key,1);
            return redirect()->route('homepage');
        }
    }

    public function updatecart(Request $request){
        $new_qty_list = $request->newqty;
        $cart = Session::get('cart');
        foreach($new_qty_list as $key => $qty):
            if ($cart[$key]['qty'] != $qty):
                $this->updateitemcart($key, $qty);
            endif;
        endforeach;
        return redirect()->route('listcart');
    }

    public function additemcart($key, $quantity){
        // Create a table of products
        $cart = Session::get('cart');
        $products = [];
        $dssp = DB::table('sanphams')->get();
        if(!empty($dssp)):
            foreach($dssp as $sp):
                $products[$sp->masp] = array('name' => $sp->tensp, 'cost' => $sp->gia);
            endforeach;
        endif;

        if ($quantity < 1) return redirect()->route('homepage');

        if (isset($cart[$key])) {
            $quantity += $cart[$key]['qty'];
            $this->updateitemcart($key, $quantity);
            return redirect()->route('homepage');
        }

        // Add item
        $cost = $products[$key]['cost'];
        $total = $cost * $quantity;
        $item = array(
            'name' => $products[$key]['name'],
            'cost' => $cost,
            'qty' => $quantity,
            'total' => $total
        );
        $cart[$key] = $item;
        Session::put('cart',$cart);
    }
}
```

```

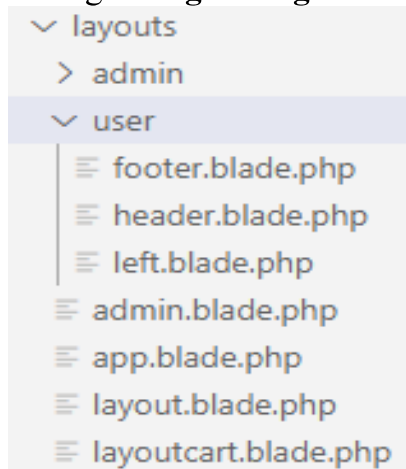
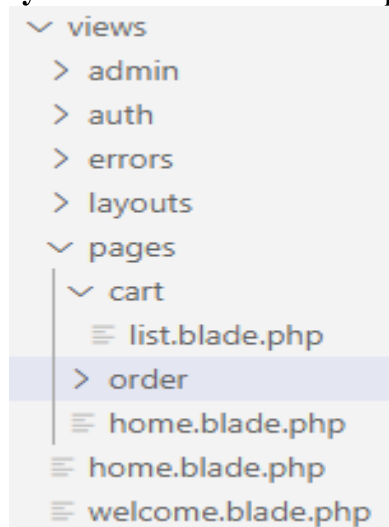
public function listcart(){
    return view('pages.cart.list',['subtotal'=>$this->getsubtotalcart()]);
}

// Update an item in the cart
public function updateitemcart($key, $quantity) {
    $quantity = (int) $quantity;
    $cart = Session::get('cart');
    if (isset($cart[$key])) {
        if ($quantity <= 0) {
            unset($cart[$key]);
            Session::put('cart',$cart);
        } else {
            $cart[$key]['qty'] = $quantity;
            $total = $cart[$key]['cost'] * $cart[$key]['qty'];
            $cart[$key]['total'] = $total;
            Session::put('cart',$cart);
        }
    }
}

// Get cart subtotal
public function getsubtotalcart () {
    $subtotal = 0;
    $cart = Session::get('cart');
    foreach ($cart as $item) {
        $subtotal += $item['total'];
    }
    $subtotal_f = number_format($subtotal, 2);
    return $subtotal_f;
}
}

```

- **B2.** Mở file **pages\home.blade.php** bổ sung thêm nút **Thêm giỏ hàng** và file **layouts\user\header.blade.php** bổ sung **Icon giỏ hàng** cho trang **Home** của ứng dụng.



+ File **pages\home.blade.php**

```

<style>
    table{
        margin:5px;
    }
    table, th, td{
        border:0.5px solid black;
        padding:0.5em 1em;
        border-collapse: collapse;
    }
</style>
@extends('layouts.layout')
@section('main')
<h5 class="text-primary">Danh Sách Sản Phẩm</h5>
<table>
    <tr>
        <th>STT</th>
        <th>Mã SP</th>
        <th>Tên Sản Phẩm</th>
        <th>Giá SP</th>
        <th>Hành Động</th>
    </tr>
    @php
        $stt = 1;
    @endphp
    @if(!empty($dssp))
        @foreach($dssp as $sp)
            <tr>
                <td>{{ $stt++ }}</td>
                <td>{{ $sp->masp }}</td>
                <td>{{ $sp->tensp }}</td>
                <td>{{ $sp->gia }}</td>
                <td>
                    <form action="{{ route('addcart',$sp->masp) }}" method="post" class="d-inline">
                        @csrf
                        <button class="btn btn-secondary" type="submit">
                            <i class="fas fa-plus"></i>
                            Thêm giỏ hàng
                        </button>
                    </form>
                </td>
            </tr>
        @endforeach
    @endif
</table>
@endsection

```

+ File **layouts\user\header.blade.php**

```

<div class="container">
    <div class="row">

```

```

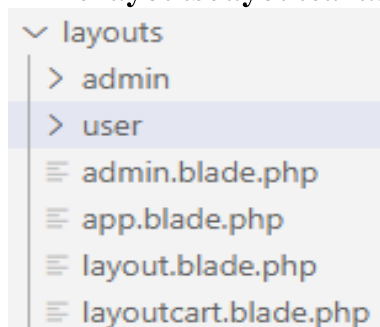
<div class="col-sm-4">
  <header><h4 class="text-primary">My Laptop Shop</h4></header>
</div>
<div class="col-sm-4">

</div>
<div class="col-sm-4" style="text-align: right">
  {{-- Cart --}}
  <span>
    <a href="{{ route('listcart') }}">
      <i class="fas fa-shopping-cart"></i>
      @php
        $qty = 0;
        $cart = Session::get('cart');
      @endphp
      @if(!empty($cart))
        @foreach( $cart as $key => $item )
          @php
            $qty += $item['qty'];
          @endphp
        @endforeach
        Số lượng:{{ $qty }}
      @endif
    </a>
  </span>
  <!-- Authentication Links -->
</div>
</div>
</div>
<hr>

```

- **B3.** Tạo file **layouts/layoutcart.blade.php** hiển thị phần **header** riêng cho trang giỏ hàng và file **pages/cart/list.blade.php** hiển thị thông tin sản phẩm trên giỏ hàng.

+ File **layouts/layoutcart.blade.php**



```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Trang Home</title>

```

```

<!-- Use CDN -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.2/css/all.min.css">
<link href="https://cdn.jsdelivr.net/npm/summernote@0.8.18/dist/summernote-bs4.min.css" rel="stylesheet">
<link rel="stylesheet" href="{{ asset('public/user/css/bootstrap.min.css') }}">
<link rel="stylesheet" href="{{ asset('public/user/css/style.css') }}">
</head>
<body>
<div class="container mt-5 mb-5">
<div class="row">
<div class="col-sm-12">
<div class="container">
<div class="row">
<div class="col-sm-12">
<header><h4 class="text-primary">My Laptop Shop</h4></header>
</div>
</div>
</div>
<hr>
</div>
</div>
<div class="row">
<div class="col-sm-3">
<@include('layouts.user.left')>
</div>
<div class="col-sm-9">
<@yield('main')>
</div>
</div>
<div class="row">
<div class="col-sm-12">
<@include('layouts.user.footer')>
</div>
</div>
</div>
</body>
</html>
<!-- Use CDN -->
<script src="https://code.jquery.com/jquery-3.5.1.min.js" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>

```

+ File **pages\cart\list.blade.php**

```

<@extends('layouts.layoutcart')>
<@section('main')>
<h4 class="text-primary">Your Cart</h4>
<@if((empty(session('cart')) || count(session('cart')) == 0))>
<p>There are no items in your cart.</p>
<@else>

```

```

    @php
        $cart = Session::get('cart');
    @endphp
    <form action="{{ route('updatecart') }}" method="post" class="d-inline">
    @csrf
    <table class="table">
        <tr>
            <th>Item</th>
            <th>Item Cost</th>
            <th>Quantity</th>
            <th>Item Total</th>
        </tr>
        @if(!empty($cart))
        @foreach($cart as $key => $item)
            @php
                $cost = number_format($item['cost'], 2);
                $total = number_format($item['total'], 2);
            @endphp
            <tr>
                <td>
                    {{ $item['name'] }}
                </td>
                <td>
                    {{ $cost }}
                </td>
                <td>
                    <input type="text"
                        name="newqty[{{ $key }}]"
                        value="{{ $item['qty'] }}">
                </td>
                <td>
                    {{ $total }}
                </td>
            </tr>
        @endforeach @endif
        <tr>
            <td colspan="3" style="text-align: right;"><b>Subtotal</b></td>
            <td colspan="1">$ {{ $subtotal }}</td>
        </tr>
        <tr>
            <td colspan="4" style="text-align: right;">
                <input type="submit" value="Update Cart">
            </td>
        </tr>
    </table>
</form>
<p>Click "Update Cart" to update quantities in your
    cart. Enter a quantity of 0 to remove an item.
</p>
@endif
@endsection

```

- **B4.** Định nghĩa một số định tuyến (**route**) đến các chức năng của giỏ hàng.

//Home page

```
Route::get('/', function () {  
    $dssp = DB::table('sanphams')->get();  
    return view('pages.home',['dssp'=>$dssp]);  
})->name('homepage');
```

//Cart page

```
Route::post('/addcart/{id}','CartController@addcart')->name('addcart');  
Route::post('/updatecart','CartController@updatecart')->name('updatecart');  
Route::get('/listcart','CartController@listcart')->name('listcart');
```