## Tạo View Component danh sách Category

Trang Cửa hàng (Product/index.cshtml)

Tạo Controller mới: **ProductController.cs** **(MVC Controller – Empty)**

Add **Razor View** cho function Index

Mở file **wwwrooot/shop.html**

Copy

<!-- Single Page Header start --> … <!-- Single Page Header End -->

<!-- Fruits Shop Start--> … <!-- Fruits Shop End-->

Paste vào file **Views/Product/Index.cshtml** vừa tạo

**Views/Product/Index.cshtml**

@{

ViewData["Title"] = "Index";

}

<!-- Single Page Header start -->

<div class="container-fluid page-header py-5">

…

<!-- Single Page Header End -->

<!-- Fruits Shop Start-->

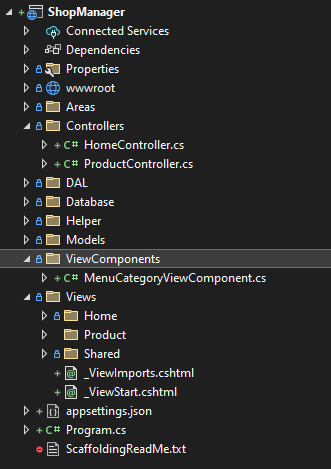
<div class="container-fluid fruite py-5">

…

<!-- Fruits Shop End-->

Tạo Folder mới: ViewComponents

Tạo Class mới: MenuCategoryViewComponent.cs



DAL/CategoryDAL.cs

using Microsoft.Data.SqlClient;

using ShopManager.Areas.Admin.Models;

using ShopManager.Database;

using ShopManager.Models;

namespace ShopManager.DAL

{

public class CategoryDAL

{

DBConnect connect = new DBConnect();

public List<Category> getAll()

{

…

}

public bool AddNew(Category categoryAdd)

{

…

}

public Category getCategoryById(int id)

{

…

}

public bool updateCategoryById(int id, Category categoryUpdate)

{

…

}

public bool deleteCategoryById(int id)

{

…

}

public List<CategoryMenu> getAllWithCount()

{

connect.openConnection();

List<CategoryMenu> list = new List<CategoryMenu>();

using (SqlCommand command = new SqlCommand())

{

command.Connection = connect.getConnecttion();

command.CommandType = System.Data.CommandType.Text;

string query = @"select c.id, c.title, c.content, count(p.id) as soluong

from category c left join product p

on c.id = p.categoryId

group by c.id,c.title, c.content

order by soluong desc

";

command.CommandText = query;

SqlDataReader reader = command.ExecuteReader();

while (reader.Read())

{

CategoryMenu category = new CategoryMenu()

{

Id = Convert.ToInt32(reader["Id"]),

Title = reader["Title"].ToString() ?? "",

Content = reader["Content"].ToString() ?? "",

Count = Convert.ToInt32(reader["soluong"].ToString())

};

list.Add(category);

}

}

connect.closeConnection();

return list;

}

}

}

ViewComponents/MenuCategoryViewComponent.cs

using Microsoft.AspNetCore.Mvc;

using ShopManager.DAL;

using ShopManager.Models;

namespace ShopManager.ViewComponents

{

public class MenuCategoryViewComponent: ViewComponent

{

// query SQL

CategoryDAL categoryDAL = new CategoryDAL();

public IViewComponentResult Invoke()

{

List<CategoryMenu> categoryMenus = new List<CategoryMenu>();

categoryMenus = categoryDAL.getAllWithCount();

return View("Default ",categoryMenus);

}

}

}

Tại Folder Views/Shared, tạo folder mới: **Components**

Tạo thêm Folder mới trong Folder vừa tạo: **MenuCategory** (tên Class trong folder ViewComponents)

Right Click tại folder MenuCategory -> Add -> View -> Razor View – Empty -> Default.cshtml

Views/Shared/Components/MenuCategory/Default.cshtml

@model IEnumerable<ShopManager.Models.CategoryMenu>

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

<div class="mb-3">

<h4>Categories</h4>

<ul class="list-unstyled fruite-categorie">

@foreach(var item in Model)

{

<li>

<div class="d-flex justify-content-between fruite-name">

<a href="#"><i class="fas fa-apple-alt me-2"></i>@item.Title</a>

<span>(@item.Count)</span>

</div>

</li>

}

</ul>

</div>

</div>

Hiển thị Component MenuCategory

Views/Product/Index.cshtml

@{

ViewData["Title"] = "Index";

}

<!-- Single Page Header start -->

<div class="container-fluid page-header py-5">

<h1 class="text-center text-white display-6">Shop</h1>

<ol class="breadcrumb justify-content-center mb-0">

<li class="breadcrumb-item"><a href="#">Home</a></li>

<li class="breadcrumb-item"><a href="#">Pages</a></li>

<li class="breadcrumb-item active text-white">Shop</li>

</ol>

</div>

<!-- Single Page Header End -->

<!-- Fruits Shop Start-->

<div class="container-fluid fruite py-5">

<div class="container py-5">

<h1 class="mb-4">Fresh fruits shop</h1>

<div class="row g-4">

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

<div class="row g-4">

<div class="col-xl-3">

<div class="input-group w-100 mx-auto d-flex">

<input type="search" class="form-control p-3" placeholder="keywords" aria-describedby="search-icon-1">

<span id="search-icon-1" class="input-group-text p-3"><i class="fa fa-search"></i></span>

</div>

</div>

<div class="col-6"></div>

<div class="col-xl-3">

<div class="bg-light ps-3 py-3 rounded d-flex justify-content-between mb-4">

<label for="fruits">Default Sorting:</label>

<select id="fruits" name="fruitlist" class="border-0 form-select-sm bg-light me-3" form="fruitform">

<**option** **value**="volvo">Nothing</**option**>

<**option** **value**="saab">Popularity</**option**>

<**option** **value**="opel">Organic</**option**>

<**option** **value**="audi">Fantastic</**option**>

</select>

</div>

</div>

</div>

<div class="row g-4">

<div class="col-lg-3">

<div class="row g-4">

@\* ~~<div class="col-lg-12">~~

~~<div class="mb-3">~~

~~<h4>Categories</h4>~~

~~<ul class="list-unstyled fruite-categorie">~~

~~<li>~~

~~<div class="d-flex justify-content-between fruite-name">~~

~~<a href="#"><i class="fas fa-apple-alt me-2"></i>Apples</a>~~

~~<span>(3)</span>~~

~~</div>~~

~~</li>~~

~~<li>~~

~~<div class="d-flex justify-content-between fruite-name">~~

~~<a href="#"><i class="fas fa-apple-alt me-2"></i>Oranges</a>~~

~~<span>(5)</span>~~

~~</div>~~

~~</li>~~

~~<li>~~

~~<div class="d-flex justify-content-between fruite-name">~~

~~<a href="#"><i class="fas fa-apple-alt me-2"></i>Strawbery</a>~~

~~<span>(2)</span>~~

~~</div>~~

~~</li>~~

~~<li>~~

~~<div class="d-flex justify-content-between fruite-name">~~

~~<a href="#"><i class="fas fa-apple-alt me-2"></i>Banana</a>~~

~~<span>(8)</span>~~

~~</div>~~

~~</li>~~

~~<li>~~

~~<div class="d-flex justify-content-between fruite-name">~~

~~<a href="#"><i class="fas fa-apple-alt me-2"></i>Pumpkin</a>~~

~~<span>(5)</span>~~

~~</div>~~

~~</li>~~

~~</ul>~~

~~</div>~~

~~</div> \*@~~

@await Component.InvokeAsync("MenuCategory")

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

<div class="mb-3">

<h4 class="mb-2">Price</h4>

<input type="range" class="form-range w-100" id="rangeInput" name="rangeInput" min="0" max="500" value="0" oninput="amount.value=rangeInput.value">

<output id="amount" name="amount" min-velue="0" max-value="500" for="rangeInput">0</output>

</div>

</div>

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

<div class="mb-3">

<h4>Additional</h4>

...

</div>

</div>

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

...

</div>

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

<div class="position-relative">

<img src="img/banner-fruits.jpg" class="img-fluid w-100 rounded" alt="">

<div class="position-absolute" style="top: 50%; right: 10px; transform: translateY(-50%);">

<h3 class="text-secondary fw-bold">Fresh <br> Fruits <br> Banner</h3>

</div>

</div>

</div>

</div>

</div>

<div class="col-lg-9">

...

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Fruits Shop End-->