**Contoso Crafts**

View List Product

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1. Tạo một Project APS.NET MVC Core
2. Thêm dữ liệu vào wwwroot => data => products.json
3. Thêm Models folder => Product.cs
4. Thêm một Services => JsonFileProductsService.cs
5. Sửa Startup.cs => Configureservices

services.AddTransient<JsonFileProductsService>();

1. Sửa Index.cshtml.cs

public class IndexModel : PageModel

{

private readonly ILogger<IndexModel> \_logger;

public JsonFileProductsService ProductsService;

public IEnumerable<Product> Products { get; private set; }

public IndexModel(

ILogger<IndexModel> logger,

JsonFileProductsService productService)

{

\_logger = logger;

ProductsService = productService;

}

public void OnGet()

{

Products = ProductsService.GetProducts();

}

}

1. Sửa Index.cshtml

@foreach (var product in Model.Products)

{

<h2>product.Title</h2>

}

1. Sửa file css để chỉnh sửa giao diện
2. Sửa file Startup.cs

endpoints.MapGet("/products", (context) => {

var products = app.ApplicationServices.GetService<JsonFileProductsService>().GetProducts();

var json = JsonSerializer.Serialize<IEnumerable<Product>>(products);

return context.Response.WriteAsync(json);

});

1. Tạo một folder controllers->ProductsController.cs

public class ProductsController : ControllerBase

{

public ProductsController(JsonFileProductsService productsService)

{

this.ProductsService = productsService;

}

public JsonFileProductsService ProductsService { get;}

[HttpGet]

public IEnumerable<Product> Get()

{

return ProductsService.GetProducts();

}

//[HttpPatch] "[Frombody]"

[Route("Rate")]

[HttpGet]

public ActionResult Get(

[FromQuery] string ProductId,

[FromQuery] int Rating)

{

ProductsService.AddRating(ProductId, Rating);

return Ok();

}

}

1. thêm rating vào products.json (Services->JsonFileProductsService.cs)

public void AddRating(string productId, int rating)

{

var products = GetProducts();

var query = products.First(x => x.Id == productId);

if (query.Ratings == null)

{

query.Ratings = new int[] { rating };

}

else

{

var ratings = query.Ratings.ToList();

ratings.Add(rating);

query.Ratings = ratings.ToArray();

}

using (var outputStream = File.OpenWrite(JsonFileName))

{

JsonSerializer.Serialize<IEnumerable<Product>>(

new Utf8JsonWriter(outputStream, new JsonWriterOptions

{

SkipValidation = true,

Indented = true

}),

products

);

}

}

1. sử dụng Razor Components (thêm folder components->productsList.razor)

<div class="card-columns">

@foreach (var product in ProductService.GetProducts())

{

<div class="card" style="border: 2px solid #00ff21">

<div class="card-img" style="background-image: url('@product.Image');"></div>

<div class="card-body" style="height: 80px">

<h5 class="card-title">@product.Title</h5>

</div>

<div class="card-footer">

<small class="text-muted">

</small>

</div>

</div>

}

</div>

1. thêm sự kiện onclick

<div class="card-columns">

@foreach (var product in ProductService.GetProducts())

{

<div class="card" style="border: 2px solid #00ff21">

<div class="card-img" style="background-image: url('@product.Image');"></div>

<div class="card-body" style="height: 80px">

<h5 class="card-title">@product.Title</h5>

</div>

<div class="card-footer">

<small class="text-muted">

<button **@onclick**="(e => SelectProduct(product.Id))"

data-toggle="modal"

data-target="#productModal"

class="=btn btn-primary">

More Info

</button>

</small>

</div>

</div>

}

</div>

1. sửa index.cshtml

@(await Html.RenderComponentAsync<ProductList>(RenderMode.ServerPrerendered))

1. chức năng xem chi tiết sản phẩm file productList.razor

@if (selectedProduct != null)

{

<div class="modal fade" id="productModal" tabindex="-1" role="dialog" aria-labelledby="productTitle" aria-hidden="true">

<div class="modal-dialog modal-dialog-centered" role="document">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="productTitle">@selectedProduct.Title</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

<div class="modal-body">

<div class="card">

<div class="card-img" style="background-image: url('@selectedProduct.Image');">

</div>

<div class="card-body">

<p class="card-text">@selectedProduct.Description</p>

</div>

</div>

</div>

<div class="modal-footer">

</div>

</div>

</div>

</div>

}

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Product selectedProduct;

string SelectedProductId;

void SelectProduct(string productId)

{

SelectedProductId = productId;

selectedProduct = ProductService.GetProducts().First(x => x.Id == productId);

GetCurrentRating();

}

int currentRating = 0;

int voteCount = 0;

string voteLable;

void GetCurrentRating()

{

if(selectedProduct.Ratings == null)

{

currentRating = 0;

voteCount = 0;

}

else

{

voteCount = selectedProduct.Ratings.Count();

voteLable = voteCount > 1 ? "Votes" : "Vote";

currentRating = selectedProduct.Ratings.Sum() / voteCount;

}

System.Console.WriteLine($"Current ratinh for {selectedProduct.Id} : {currentRating}");

}

void SubmitRating(int rating)

{

System.Console.WriteLine($"Rating received for {selectedProduct.Id} : {rating}");

ProductService.AddRating(SelectedProductId, rating);

SelectProduct(SelectedProductId);

}

1. Chức năng đánh giá

<div class="modal-footer">

@if (voteCount == 0)

{

<span>Be the first to vote!</span>

}

else

{

<span>@voteCount @voteLable</span>

}

@for (int i = 1; i < 6; i++)

{

var currentStar = i;

if (i <= currentRating)

{

<span class="fa fa-star checked" **@onclick**="(e => SubmitRating(currentStar))"></span>

}

else

{

<span class="fa fa-star" **@onclick**="(e => SubmitRating(currentStar))"></span>

}

}

</div>