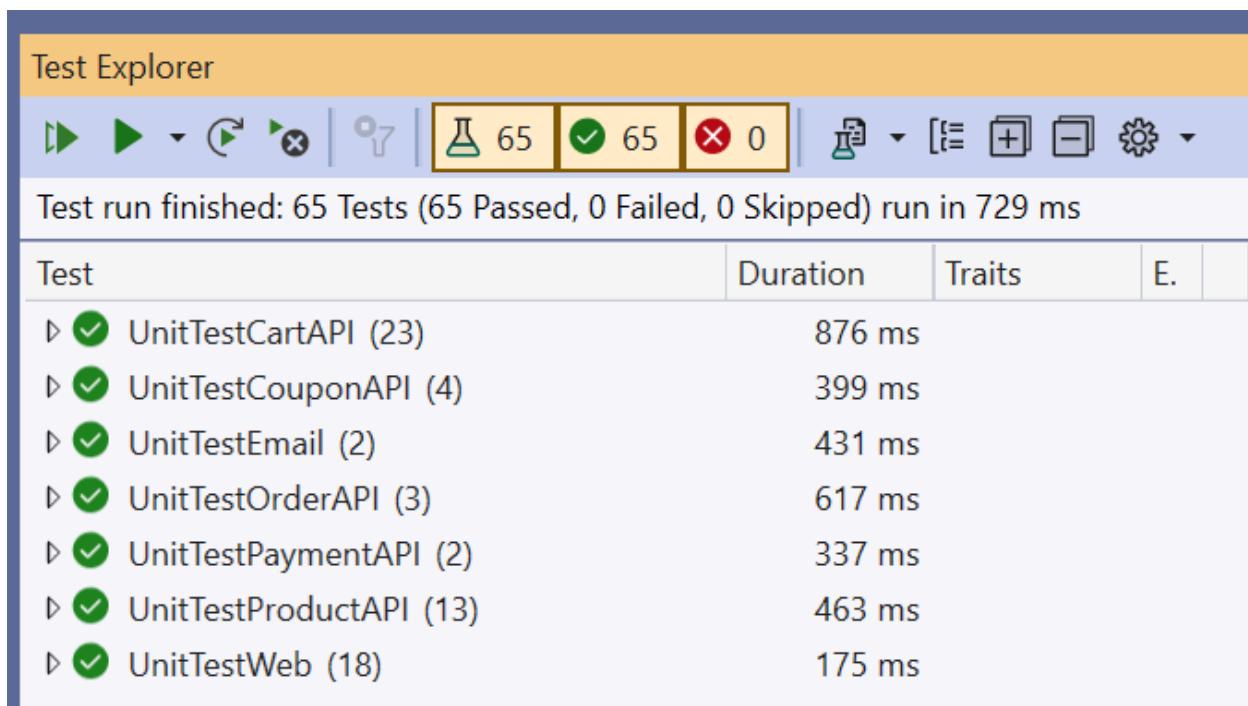


Statement:

Develop a simplified yet functional e-commerce platform named SimpleShop. This platform will focus on two main features: displaying product listings and managing a basic shopping cart. The aim is to create a user-friendly interface for customers to browse products and select items for purchase. The backend should efficiently support operations related to products and the shopping cart.

See below the result from this solution, running locally the solution from the GameShopping folder

The Unit tests:

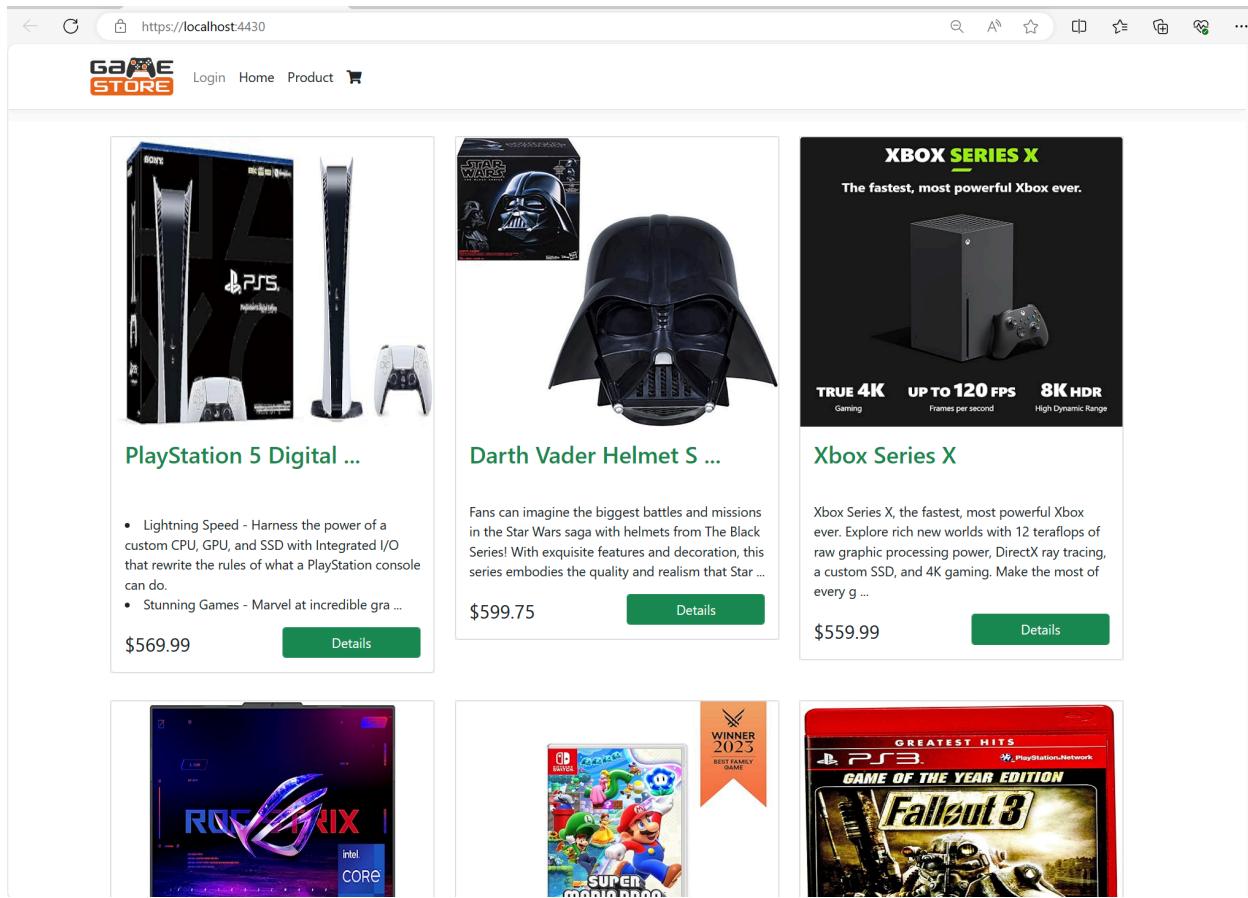


The screenshot shows the Test Explorer window in Visual Studio. The top bar displays the status "Test run finished: 65 Tests (65 Passed, 0 Failed, 0 Skipped) run in 729 ms". Below this, a table lists the test results:

Test	Duration	Traits	E.
▷ ✓ UnitTestCartAPI (23)	876 ms		
▷ ✓ UnitTestCouponAPI (4)	399 ms		
▷ ✓ UnitTestEmail (2)	431 ms		
▷ ✓ UnitTestOrderAPI (3)	617 ms		
▷ ✓ UnitTestPaymentAPI (2)	337 ms		
▷ ✓ UnitTestProductAPI (13)	463 ms		
▷ ✓ UnitTestWeb (18)	175 ms		

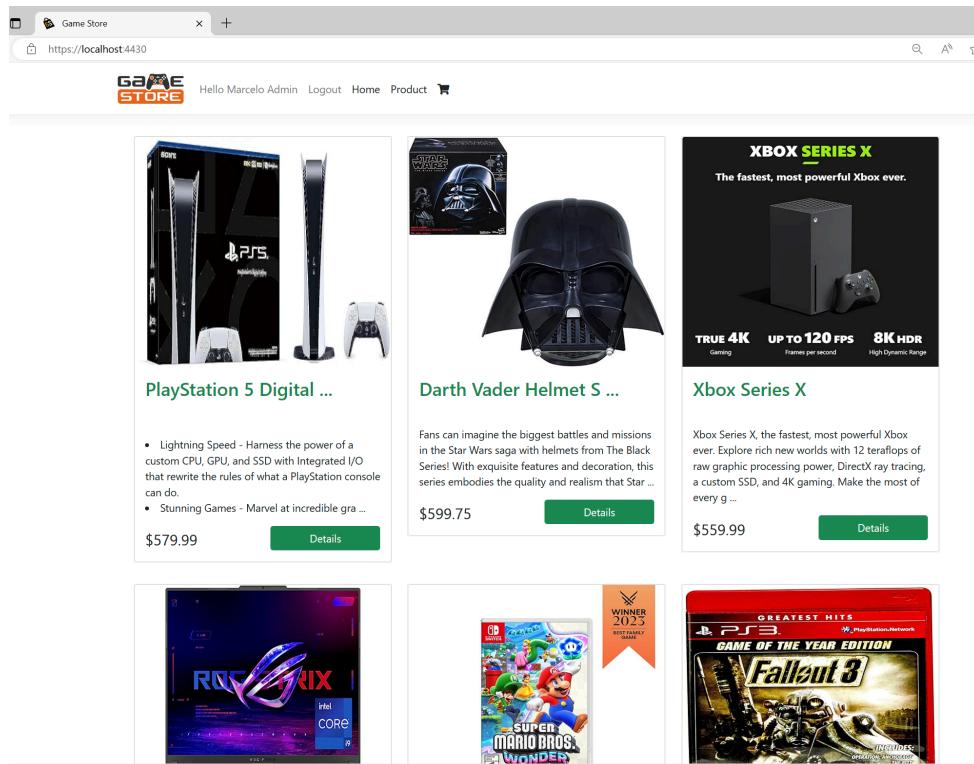
The screenshots from the solution:

Home:



Login:

The screenshot shows a login page for 'Duende IdentityServer'. The page has a 'Login' heading and a sub-instruction 'Choose how to login'. It features a 'Local Account' section with fields for 'Username' (containing 'marcelo-admin') and 'Password' (containing '*****'). There is a checkbox for 'Remember My Login' and two buttons at the bottom: 'Login' and 'Cancel'. Below the buttons is a link 'New User? Create Account'.



Check the Product catalog to update, delete and add new products:

Products List			+Create New Product
Name	Category	Price	
PlayStation 5 Digital Edition - CFI-1102B	Console	\$569.99	
Darth Vader Helmet Star Wars Black Series	Replicas	\$599.75	
Xbox Series X	Console	\$559.99	
ASUS ROG Strix G16	Gaming Laptop	\$1,649.99	
Super Mario Bros.™ Wonder - Nintendo Switch (US Version)	Game	\$49.99	
Fallout 3 - PlayStation 3 Game of the Year Edition	Game	\$19.75	
Red Dead Redemption 2 (PS4)	Game	\$59.75	
The Art of Fallout 4 Hardcover – Illustrated	Book	\$59.99	
PDP Victrix Pro BFG Wireless Gaming Controller	Controller	\$99.75	
BENGOO Stereo Pro Gaming Headset	Headset	\$32.25	
Z-Edge 32-inch Curved Gaming Monitor	TV/Monitor	\$269.99	
Dragon Ball Super Goku Character T-Shirt	Clothing	\$39.99	
Riders Republic Complete - PC [Online Game Code]	Game	\$99.99	
Star Wars The Black Series Boba Fett Premium Electronic Helmet	Replicas	\$239.99	
Riders Republic Complete - PC [Online Game Code]	Game	\$19.00	
Riders Republic Complete - PC [Online Game Code]	Game	\$19.00	
Occupy Mars T-shirt Terraform Shirt	Clothing	\$19.00	

Game Store

https://localhost:4430/Product/ProductDelete/24

Hello Marcelo Admin Logout Home Product

Update Product

Name	Occupy Mars T-shirt Terraform Shirt
CategoryName	Clothing
Description	T-Shirt Elon Musk Space X
ImageURL	https://m.media-amazon.com/images/I/41xWu2t51mL_CLa%7C768%2C875%7C71qhtModb-Lpng%7C0%2C0%2C768%2C875%2B0.0%2C75.0%2
Price	19.00

[Back to List](#) [Delete](#)

Game Store

https://localhost:4430/Product/ProductDelete/13

Hello Marcelo Admin Logout Home Product

Product Delete

Name	Dragon Ball Super Goku Character T-Shirt
CategoryName	Clothing
Description	Go super saiyan with this Dragon Ball Super tee. The shirt features a hovering Goku. A set of colored panels containing the characters of Vegeta, Piccolo, Trunks, Gohan, and Krillin appear next to Goku. The tee comes in a black short sleeve crew neck. Show your support for the legendary saiyans with this graphic tee today.
ImageURL	https://i0.wp.com/www.univers-otaku.com/wp-content/uploads/2018/04/products-t-shirt-3d-t-shirt-3d-all-over-dragon-ball-super-s
Price	39.99

[Back to List](#) [Delete](#)

Game Store

https://localhost:4430/Product/ProductCreate

Hello Marcelo Admin Logout Home Product

Create Product

Name	Flintlock: The Siege of Dawn (PS5)
CategoryName	Game
Description	would win an undead army, and they're doing a pretty good job of wrecking humanity. So, in Flintlock: The Siege of Dawn, you'll be part of a coalition of humans who are tired of losing and are doing everything they can to fight back. You'll need to use magic and might to push back the armies of the undead and take the fight right to the gods! But whether that works out will be up to you. Think you're up to the challenge?
ImageURL	https://m.media-amazon.com/images/I/81-SL1CCwVL_SX522.jpg
Price	49.99

[Back to List](#) [Create](#)

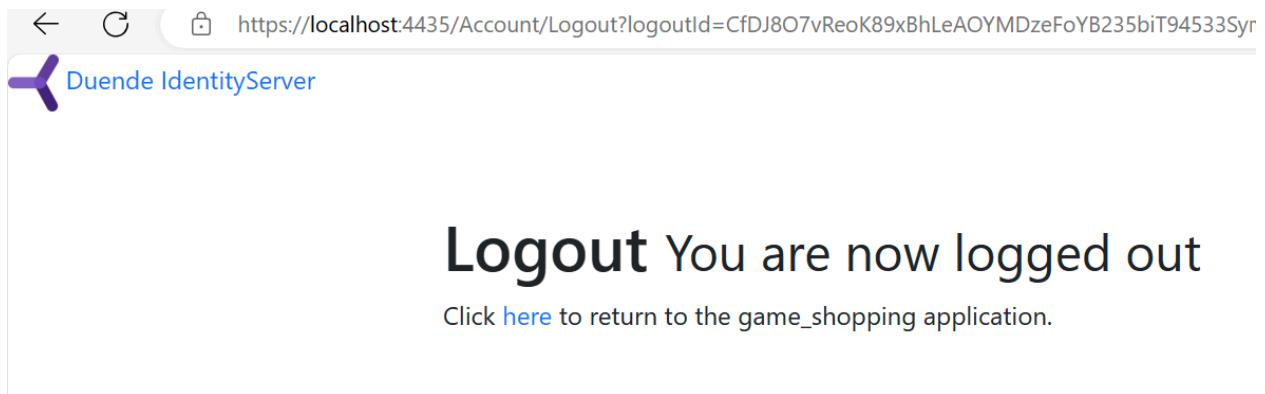
S Game Store X +

Hello Marcelo Admin Logout Home Product 🛍

Products List

+Create New Product

Name	Category	Price	
PlayStation 5 Digital Edition - CFI-1102B	Console	\$569.99	 
Darth Vader Helmet Star Wars Black Series	Replicas	\$599.75	 
Xbox Series X	Console	\$559.99	 
ASUS ROG Strix G16	Gaming Laptop	\$1,649.99	 
Super Mario Bros.™ Wonder - Nintendo Switch (US Version)	Game	\$49.99	 
Fallout 3 - PlayStation 3 Game of the Year Edition	Game	\$19.75	 
Red Dead Redemption 2 (PS4)	Game	\$59.75	 
The Art of Fallout 4 Hardcover – Illustrated	Book	\$59.99	 
PDP Victrix Pro BFG Wireless Gaming Controller	Controller	\$99.75	 
BENGOO Stereo Pro Gaming Headset	Headset	\$32.25	 
Z-Edge 32-inch Curved Gaming Monitor	TV/Monitor	\$269.99	 
Dragon Ball Super Goku Character T-Shirt	Clothing	\$39.99	 
Riders Republic Complete - PC [Online Game Code]	Game	\$99.99	 
Star Wars The Black Series Boba Fett Premium Electronic Helmet	Replicas	\$239.99	 
Elden Ring Shadow of the Erdtree XSX	Game	\$79.99	 
Star Wars Outlaws - Limited Edition (Amazon Exclusive), Xbox Series X	Game	\$69.99	 
Flintlock: The Siege of Dawn (PS5)	Game	\$49.99	 



If login with a different user that can't delete the product, only add or update the product:

A screenshot of a web browser displaying a "Products List" table. The browser's title bar shows "Game Store" and the address bar shows https://localhost:4430/Product/ProductIndex. The page header includes a "GAME STORE" logo and navigation links for "Hello Marcelo Client", "Logout", "Home", "Product", and a shopping cart icon. The main content is a table with the following data:

Name	Category	Price	Action
PlayStation 5 Digital Edition - CFI-1102B	Console	\$569.99	
Darth Vader Helmet Star Wars Black Series	Replicas	\$599.75	
Xbox Series X	Console	\$559.99	
ASUS ROG Strix G16	Gaming Laptop	\$1,649.99	
Super Mario Bros.™ Wonder - Nintendo Switch (US Version)	Game	\$49.99	
Fallout 3 - PlayStation 3 Game of the Year Edition	Game	\$19.75	
Red Dead Redemption 2 (PS4)	Game	\$59.75	
The Art of Fallout 4 Hardcover – Illustrated	Book	\$59.99	
PDP Victrix Pro BFG Wireless Gaming Controller	Controller	\$99.75	
BENGOO Stereo Pro Gaming Headset	Headset	\$32.25	
Z-Edge 32-inch Curved Gaming Monitor	TV/Monitor	\$269.99	
Dragon Ball Super Goku Character T-Shirt	Clothing	\$39.99	
Riders Republic Complete - PC (Online Game Code)	Game	\$99.99	
Star Wars The Black Series Boba Fett Premium Electronic Helmet	Replicas	\$239.99	

Products changes:

The screenshot shows a web browser window with the URL <https://localhost:4430>. The page displays five product cards for video games:

- Riders Republic | Com ...**
With the Complete Edition, face no restrictions and shred like there is no tomorrow! It includes the base game, the Year 1 Pass (BMX add-on, eight toys, winter cosmetic pack, and BMX cosmetic pack) and ...
\$99.99 [Details](#)
- Star Wars The Black S ...**
Once regarded as one of the most fearsome and capable bounty hunters in the galaxy, Boba Fett seemingly met his demise in the Sarlacc pit on Tatooine. Fett has survived the beast and has now reclaimed h ...
\$239.99 [Details](#)
- Elden Ring Shadow of ...**
ELDEN RING, winner of hundreds of accolades including The Game Awards "Game of the Year" and Golden Joystick Awards "Ultimate Game of the Year," is bringing a new adventure to the Tarnished in the Lan ...
\$79.99 [Details](#)
- Star Wars Outlaws - L ...**
When it comes to games from a galaxy far, far away, it used to be very hit-or-miss as to whether they'd actually be any good. But recent times have shown that they can shine with the right people behind ...
\$69.99 [Details](#)
- Flintlock: The Siege ...**
Picture this, please. The world has gotten an undead problem. But this time, it's because of the gods! Yep, the gods are trying to take over the world with an undead army, and they're doing a pretty goo ...
\$49.99 [Details](#)

Check Product Details:

The screenshot shows a web browser window with the URL <https://localhost:4430/Home/Details/2>. The page is titled "PlayStation 5 Digital Edition - CFI-1102B" and has a price of \$569.99. It features an image of the console and a controller, a "Console" category label, and a bulleted list of features. A quantity selector shows "1". At the bottom are "Back to List" and "Add to Cart" buttons.

Cart:

The screenshot shows a web browser window with the URL [https://localhost:4430/Home/Cart](#). The page title is "Shopping Cart" and there is a "Continue Shopping" link. The cart contains four items:

Product Details	Price	Count	Action
PlayStation 5 Digital Edition - CFI-1102B Lightning Speed - Harness the power of a custom CPU, GPU, and SSD with Integrated I/O that rewrite the rules of what a PlayStation console can do. Stunning Games - Marvel at incredible graphics and experience new PS5 features. Breathtaking Immersion - Discover a deeper gaming experience with support for haptic feedback, adaptive triggers, and 3D Audio technology. Model Number CFI-1102B	\$569.99	1	
Dragon Ball Super Goku Character T-Shirt Go super sajan with this Dragon Ball Super tee. The shirt features a hovering Goku. A set of colored panels containing the characters of Vegeta, Piccolo, Trunks, Gohan, and Krillin appear next to Goku. The tee comes in a black short sleeve crew neck. Show your support for the legendary saiyans with this graphic tee today!	\$39.99	2	
The Art of Fallout 4 Hardcover – Illustrated Bethesda Game Studios, the award-winning creators of Fallout® 3 and The Elder Scrolls V: Skyrim®, welcome you to the world of Fallout® 4 – their most ambitious game ever, and the next generation of open-world gaming.	\$59.99	1	
Red Dead Redemption 2 (PS4) From the creators of Grand Theft Auto V and Red Dead Redemption The deepest and most complex world Rockstar Games has ever created Covers a huge range of 19th century American landscapes Play as Arthur Morgan, lead enforcer in the notorious Van der Linde gang Interact with every character in the world with more than just your gun. Engage in conversation with people you meet. Your actions influence Arthur's honour. Horses are a cowboy's best friend, both transport and personal companion. Bond with your horse as you ride together to unlock new abilities	\$59.75	1	

At the bottom, there is a "Coupon:" input field with an "Apply" button, a "Purchase Amount: \$769.71" label, and a "Checkout" button.

Change items:

Game Store +

<https://localhost:4430/Cart/CartIndex>

Hello Marcelo Admin Logout Home Product

Shopping Cart		Product Details	Price	Count		
	Dragon Ball Super Goku Character T-Shirt Go and show with this Dragon Ball Super Tee. The shirt features a hawkeye Goku. A set of colored panels containing the characters of Vegeta, Piccolo, Trunks, Gohan, and Kellen appear next to Goku. The tee comes in a black short sleeve crew neck. Show your support for the legendary sayans with this graphic tee today.	\$39.99	2			
	Xbox Series X The fastest, most powerful Xbox ever. Explore rich new worlds with 12 teraflops of raw graphic processing power. DirectX ray tracing, a custom SSD, and 4K gaming. Make the most of every gaming minute with Quick Resume, lightning fast load times, and gameplay of up to 120 FPS—all powered by Xbox Velocity Architecture. Enjoy thousands of games from four generations of Xbox, with hundreds of optimized titles that look and play better than ever. And when you add Xbox Game Pass Ultimate (not included separately), you get automatic upgrades to play the latest titles on an instant library of 100+ high-quality games, including day one releases from Xbox Game Studios.	\$559.99	1			
	PDP Victrix Pro BFG Wireless Gaming Controller PDP Victrix Pro BFG Wireless Gaming Controller for Xbox Series X S, Xbox One, and Windows 10/11, Dolby Atmos Audio, Remappable Buttons, Customizable Triggers/Paddles/DP-Pad, PC App, White	\$99.75	2			
	Elden Ring Shadow of the Erdtree XS Elden Ring, winner of numerous awards, including Game of the Year and Golden Joystick Awards' "Ultimate Game of the Year," is bringing a new adventure to the Tomeldin in the Lands Between. ELDEN RING Shadow of the Erdtree DLC is FromSoftware's largest expansion to date, where players must unravel the hidden mystery of the world from the acclaimed fantasy action RPG. 1 player offline, up to 3 players online, and up to 6 players in Arenas.	\$79.99	1			
	Star Wars Outlaws - Limited Edition (Amazon Exclusive), Xbox Series X When it comes to games from a galaxy far, far away, it used to be very hit or miss as to whether they'd actually be any good. But recent times have shown that they can shine with the right people behind them. Ubisoft is the team behind Star Wars Outlaws, and early indications are that it will be something special. The game will take place during the original trilogy, but it's not focusing on the "main storyline" of those films, just the time period. You'll be Kay Vess, who is attempting to get a new life for herself and has to outlast the criminal underworld to make that happen. Good luck with that!	\$69.99	1			
Coupon: <input type="text" value="MGM_2024_15"/> <input type="button" value="Apply"/>		Purchase Amount: \$989.45				
<input type="button" value="Checkout"/>						

Coupon applied:



Hello Marcelo Admin Logout Home Product



Shopping Cart			Continue Shopping
Product Details	Price	Count	
 <p>Dragon Ball Super Goku Character T-Shirt Go super saiyan with this Dragon Ball Super tee. The shirt features a hovering Goku. A set of colored panels containing the characters of Vegeta, Piccolo, Trunks, Gohan, and Krillin appear next to Goku. The tee comes in a black short sleeve crew neck. Show your support for the legendary saiyans with this graphic tee today.</p>	\$39.99	2	
 <p>Xbox Series X Xbox Series X, the fastest, most powerful Xbox ever. Explore rich new worlds with 12 teraflops of raw graphic processing power, DirectX ray tracing, a custom SSD, and 4K gaming. Make the most of every gaming minute with Quick Resume, lightning-fast load times, and gameplay of up to 120 FPS—all powered by Xbox Velocity Architecture. Enjoy thousands of games from four generations of Xbox, with hundreds of optimized titles that look and play better than ever. And when you add Xbox Game Pass Ultimate (membership sold separately), you get online multiplayer to play with friends and an instant library of 100+ high-quality games, including day one releases from Xbox Game Studios.</p>	\$559.99	1	
 <p>PDP Victrix Pro BFG Wireless Gaming Controller PDP Victrix Pro BFG Wireless Gaming Controller for Xbox Series X Series S, Xbox One, and Windows 10/11, Dolby Atmos Audio, Remappable Buttons, Customizable Triggers/Paddles/D-Pad, PC App, White</p>	\$99.75	2	
 <p>Elden Ring Shadow of the Erdtree SX ELDEN RING, winner of hundreds of accolades including The Game Awards' "Game of the Year" and Golden Joystick Awards' "Ultimate Game of the Year," is bringing a new adventure to the Tarnished in the Lands Between. ELDEN RING Shadow of the Erdtree DLC is FromSoftware's largest expansion to date, where players must unravel the hidden mystery of the world from the acclaimed fantasy action RPG. 1 player offline, up to 3 players online, and up to 6 players in Arenas.</p>	\$79.99	1	
 <p>Star Wars Outlaws - Limited Edition (Amazon Exclusive), Xbox Series X When it comes to games from a galaxy far, far away, it used to be very hit-or-miss as to whether they'd actually be any good. But recent times have shown that they can shine with the right people behind them. Ubisoft is the team behind Star Wars Outlaws, and early indications are that it will be something special. The game will take place during the original trilogy, but it's not focusing on the "main storyline" of those films, just the time period. You'll be Kay Vess, who is attempting to get a new life for herself and has to outlast the criminal underworld to make that happen. Good luck with that!</p>	\$69.99	1	
<p>Coupon: <input type="text" value="MGM_2024_15"/> Remove</p>	<p>Purchase Amount: \$974.45 Discount Amount: \$15.00</p>		
	Checkout		

Checkout:

The screenshot shows a web browser window for a "Game Store". The URL in the address bar is <https://localhost:4430/Cart/Checkout>. The page title is "Game Store". The top navigation bar includes links for "Hello Marcelo Admin", "Logout", "Home", "Product", and a shopping cart icon.

The main content area has a heading "Enter details and place order:" followed by a form with the following fields:

- First Name: Marcelo
- Last Name: Marque
- E-mail: mgmarques@gmail.com
- Phone Number: 21982622727
- Card Number: 43083416131970946749
- CVV: 255
- Expiry: 10/27

To the right of the form is a table titled "Product Details" showing the items in the cart:

Product Details	Price	Count
Dragon Ball Super Goku Character T-Shirt	\$39.99	2
Xbox Series X	\$559.99	1
PDP Victrix Pro BFG Wireless Gaming Controller	\$99.75	2
Elden Ring Shadow of the Erdtree XSX	\$79.99	1
Star Wars Outlaws - Limited Edition (Amazon Exclusive), Xbox Series X	\$69.99	1

Below the table, the total purchase amount is listed as \$974.45 and the discount amount as \$15.00.

A green "Place Order" button is located at the bottom of the form area.

At the bottom left of the page, there is a copyright notice: © 2021 - Game Store - [Privacy](#).

Confirmation:

S Game Store

Hello Marcelo Admin Logout Home Product

Congratulations! You are one step closer to a full game lifestyle.

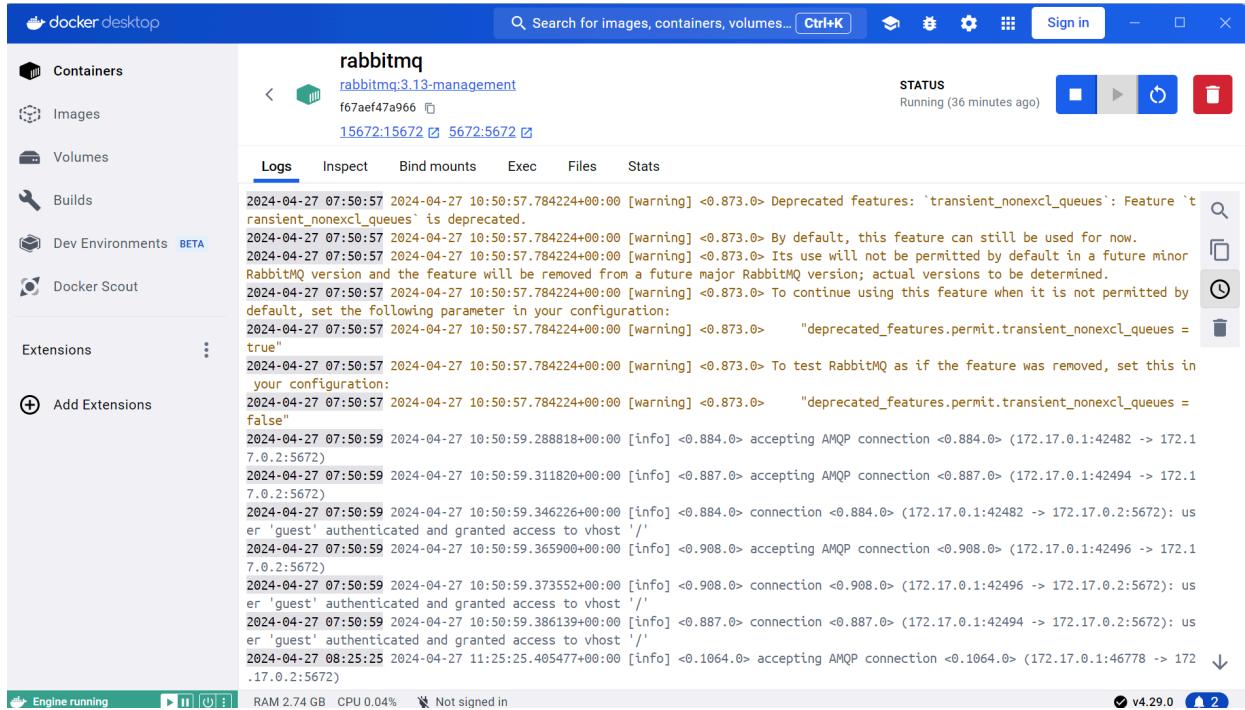
We have received your order and your payment will be processed soon!

Thank You!!!

JUST
WAITING
FOR A
GAME

Your order is being prepared...

RabbitMQ:



The on-container version:

The solution on the GameShoopingOnContainers folder runs successfully and healthily all containers and all are accessible by their URLs. If you try any API, you just need to add /swagger to the end of the URL. The RabbitMQ username and password are guests of both, Accelot has no output, just the logs.

The Identity Server can also be accessed through its URL and it is possible to log in to users, for example, marcelo-client password Marques12\$.

The issue is on the Web application, where the connection is refused by Ocelot when trying to retrieve the list of products that do not require authorization.

An unhandled exception occurred while processing the request.

SocketException: Connection refused

```
System.Net.Sockets.Socket+AwaitableSocketEventArgs.ThrowException(SocketError error, CancellationToken cancellationToken)
```

HttpRequestException: Connection refused (gameshopping.apigateway:8080)

```
System.Net.Http.HttpConnectionPool.ConnectToTcpHostAsync(string host, int port, HttpRequestMessage initialRequest, bool async, CancellationToken cancellationToken)
```

HttpRequestException: Connection refused (gameshopping.apigateway:8080)

```
System.Net.Http.HttpConnectionPool.ConnectToTcpHostAsync(string host, int port, HttpRequestMessage initialRequest, bool async, CancellationToken cancellationToken)
```

```
System.Threading.Tasks.ValueTask<TResult>.get_Result()
```

```

System.Net.Http.HttpConnectionPool.ConnectAsync(HttpRequestMessage request, bool async,
CancellationToken cancellationToken)
System.Threading.Tasks.ValueTask<TResult>.get_Result()
System.Net.Http.HttpConnectionPool.CreateHttp11ConnectionAsync(HttpRequestMessage request, bool
async, CancellationToken cancellationToken)
System.Threading.Tasks.ValueTask<TResult>.get_Result()
System.Net.Http.HttpConnectionPool.AddHttp11ConnectionAsync(QueueItem queueItem)
System.Threading.Tasks.TaskCompletionSourceWithCancellation<T>.WaitWithCancellationAsync(Cancellation
Token cancellationToken)
System.Threading.Tasks.ValueTask<TResult>.get_Result()
System.Net.Http.HttpConnectionPool.SendWithVersionDetectionAndRetryAsync(HttpRequestMessage request,
bool async, bool doRequestAuth, CancellationToken cancellationToken)
System.Net.Http.DiagnosticsHandler.SendAsyncCore(HttpRequestMessage request, bool async,
CancellationToken cancellationToken)
System.Threading.Tasks.ValueTask<TResult>.get_Result()
System.Net.Http.RedirectHandler.SendAsync(HttpRequestMessage request, bool async, CancellationToken
cancellationToken)
Microsoft.Extensions.Http.Logging.LoggingHttpRequestMessageHandler.<SendCoreAsync>g__Core|5_0(HttpServletRequestM
essage request, bool useAsync, CancellationToken cancellationToken)
Microsoft.Extensions.Http.Logging.LoggingScopeHttpRequestMessageHandler.<SendCoreAsync>g__Core|5_0(HttpServletRequestMessage
request, bool useAsync, CancellationToken cancellationToken)
System.Net.Http.HttpClient.<SendAsync>g__Core|83_0(HttpServletRequestMessage request, HttpCompletionOption
completionOption, CancellationTokenSource cts, bool disposeCts, CancellationTokenSource
pendingRequestsCts, CancellationToken originalCancellationToken)
GameShopping.Web.Services.ProductService.FindAllProducts(string token) in
C:\Projects\CSharp\GameShoopingOnContainers\GameShopping.Web\Services\ProductService.cs
GameShopping.Web.Controllers.HomeController.Index() in
C:\Projects\CSharp\GameShoopingOnContainers\GameShopping.Web\Controllers\HomeController.cs
Microsoft.AspNetCore.Mvc.Infrastructure.ActionMethodExecutor+TaskOfActionResultExecutor.Execute(Action
Context actionContext, IActionResultTypeMapper mapper, ObjectMethodExecutor executor, object controller,
object[] arguments)
System.Threading.Tasks.ValueTask<TResult>.get_Result()
Microsoft.AspNetCore.Mvc.Infrastructure.ControllerActionInvoker.<InvokeActionMethodAsync>g__Awaited|12_
0(ControllerActionInvoker invoker, ValueTask<IActionResult> actionResultValueTask)
Microsoft.AspNetCore.Mvc.Infrastructure.ControllerActionInvoker.<InvokeNextActionFilterAsync>g__Awaited|10
_0(ControllerActionInvoker invoker, Task lastTask, State next, Scope scope, object state, bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ControllerActionInvoker.Rethrow(ActionExecutedContextSealed
context)
Microsoft.AspNetCore.Mvc.Infrastructure.ControllerActionInvoker.Next(ref State next, ref Scope scope, ref
object state, ref bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ControllerActionInvoker.<InvokeInnerFilterAsync>g__Awaited|13_0(C
ontrollerActionInvoker invoker, Task lastTask, State next, Scope scope, object state, bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeNextResourceFilter>g__Awaited|25_0(Resource
Invoker invoker, Task lastTask, State next, Scope scope, object state, bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Rethrow(ResourceExecutedContextSealed context)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Next(ref State next, ref Scope scope, ref object
state, ref bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeFilterPipelineAsync>g__Awaited|20_0(Resource
Invoker invoker, Task lastTask, State next, Scope scope, object state, bool isCompleted)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeAsync>g__Awaited|17_0(ResourceInvoker
invoker, Task task, IDisposable scope)
Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeAsync>g__Awaited|17_0(ResourceInvoker
invoker, Task task, IDisposable scope)
Microsoft.AspNetCore.Authorization.AuthorizationMiddleware.Invoke(HttpContext context)
Microsoft.AspNetCore.Authentication.AuthenticationMiddleware.Invoke(HttpContext context)
Microsoft.AspNetCore.Diagnostics.DeveloperExceptionPageMiddlewareImpl.Invoke(HttpContext context)

```

Below are screenshots of the other services that work well in their containers:

Swagger
Supported by SMARTBEAR

Select a definition GameShopping.CartAPI v1

GameShopping.CartAPI v1 OAS3

/swagger/v1/swagger.json

Authorize

Cart

<code>GET</code>	/api/v1/Cart/find-cart/{id}	
<code>POST</code>	/api/v1/Cart/add-cart	
<code>PUT</code>	/api/v1/Cart/update-cart	
<code>DELETE</code>	/api/v1/Cart/remove-cart/{id}	
<code>POST</code>	/api/v1/Cart/apply-coupon	
<code>DELETE</code>	/api/v1/Cart/remove-coupon/{userId}	
<code>POST</code>	/api/v1/Cart/checkout	

Schemas

CartDetailVO >

Swagger
Supported by SMARTBEAR

Select a definition GameShopping.CouponAPI v1

GamekShopping.CouponAPI v1 OAS3

/swagger/v1/swagger.json

Authorize

Coupon

<code>GET</code>	/api/v1/Coupon/{couponCode}	
------------------	-----------------------------	--

Schemas

CouponVO >

localhost:5103/swagger/index.html

Swagger
Supported by SMARTBEAR

Select a definition GameShopping.CartAPI v1

GameShopping.CartAPI v1 OAS3

/swagger/v1/swagger.json

Authorize

Cart

GET	/api/v1/Cart/find-cart/{id}	🔒
POST	/api/v1/Cart/add-cart	🔒
PUT	/api/v1/Cart/update-cart	🔒
DELETE	/api/v1/Cart/remove-cart/{id}	🔒
POST	/api/v1/Cart/apply-coupon	🔒
DELETE	/api/v1/Cart/remove-coupon/{userId}	🔒
POST	/api/v1/Cart/checkout	🔒

Schemas

CartDetailVO >

localhost:5104/swagger/index.html

Swagger
Supported by SMARTBEAR

Select a definition GameShopping.Email v1

GameShopping.Email v1 OAS3

/swagger/v1/swagger.json

Authorize

No operations defined in spec!

localhost:5106/swagger/index.html

Swagger
Supported by SMARTBEAR

Select a definition GameShopping.OrderAPI v1

GameShopping.OrderAPI v1 OAS3

/swagger/v1/swagger.json

Authorize

No operations defined in spec!

The image consists of three vertically stacked screenshots illustrating the integration of Duende IdentityServer with a GameShopping.PaymentAPI.

Screenshot 1: GameShopping.PaymentAPI Swagger UI

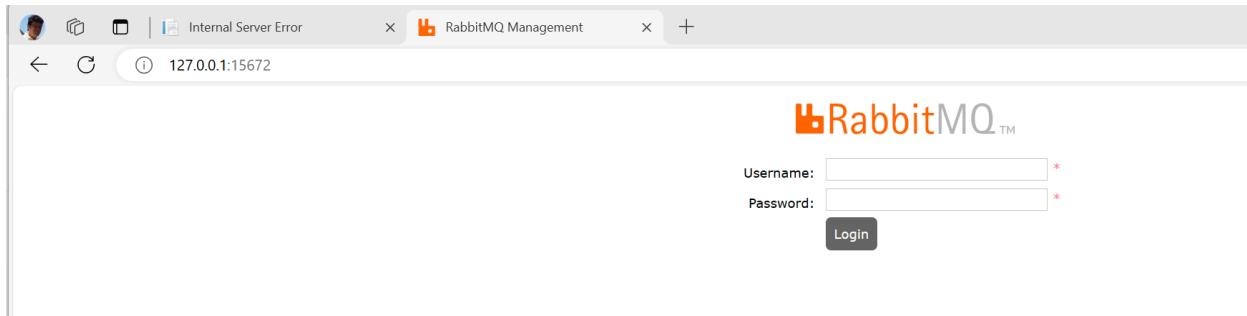
This screenshot shows the Swagger UI for the GameShopping.PaymentAPI at `localhost:5107/swagger/index.html`. The top navigation bar includes the Swagger logo and a dropdown menu labeled "Select a definition" set to "GameShopping.PaymentAPI v1". Below the header, the title "GameShopping.PaymentAPI" is displayed with "v1 OAS3" and a link to "/swagger/v1/swagger.json". A green "Authorize" button with a lock icon is located in the top right corner. The main content area displays the message "No operations defined in spec!".

Screenshot 2: Duende IdentityServer Home Page

This screenshot shows the Duende IdentityServer home page at `localhost:5105`. The title "Welcome to Duende IdentityServer (version 5.2.2)" is centered above a purple airplane icon. Below the title, there is descriptive text about the discovery document and links to source code and samples. The URL in the browser address bar is `localhost:5105`.

Screenshot 3: Duende IdentityServer Login Page

This screenshot shows the Duende IdentityServer login page. The title "Login" is at the top, followed by the sub-instruction "Choose how to login". A "Local Account" section contains fields for "Username" (containing "marcelo-admin") and "Password" (containing "*****"). There is a checkbox for "Remember My Login" which is unchecked. At the bottom are "Login" and "Cancel" buttons, and a link for "New User? Create Account". The URL in the browser address bar is `localhost:5105`.



Product

GET /api/v1/Product

Parameters

No parameters

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:5101/api/v1/Product' \
  -H 'accept: text/plain'
```

Request URL

```
http://localhost:5101/api/v1/Product
```

Server response

Code	Details
200	Response body [{ "id": 2, "name": "PlayStation 5 Digital Edition - CFI-11028", "price": 679.99, "description": "Lightning Speed - Harness the power of a custom CPU, GPU, and SSD with Integrated I/O that rewrite the rules of what a PlayStation console can do.<\nStunning Games - Marvel at incredible graphics and experience new PSS features.<\nBreathtaking Immersion - Discover a deeper gaming experience with support for haptic feedback, adaptive triggers, and 3D Audio technology.<\nModel Number CFI-11028", "categoryName": "Console", "imageURL": "https://m.media-amazon.com/images/I/61loOpDhuML..SX52_.jpg" }, { "id": 3, "name": "Darth Vader Helmet Star Wars Black Series", "price": 599.75, "description": "Fans can imagine the biggest battles and missions in the Star Wars saga with helmets from The Black Series! With exquisite features and decoration, this series embodies the quality and realism that Star Wars devotees love. Imagine donning the signature Helmet of Darth Vader with the Darth Vader Premium Electronic Helmet, featuring collar, mask, and hood pieces for multi-piece, adjustable fit and assembly. When the collar is put on, wearers can activate breathing sound effects. When the mask is fitted to the collar with the secondary button and magnetic hood, helmet sealing sound effects will be activated. Using the primary button, wearers can activate breathing sound effects, and when removing the mask, activate helmet removal sounds. With adjustable sound effects and premium interior and exterior design, this helmet delivers on the iconic presentation and detail of roleplay items from Star Wars The Black Series. Additional products each sold separately. Star Wars products are produced by Hasbro under license from Lucasfilm Ltd. Hasbro and all related terms are trademarks of Hasbro.", "categoryName": "Replicas", "imageURL": "https://m.media-amazon.com/images/I/7100QE31gZL..AC_SV879_.jpg" }, { "id": 4, "name": "Xbox Series X", "price": 599.99, }]

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