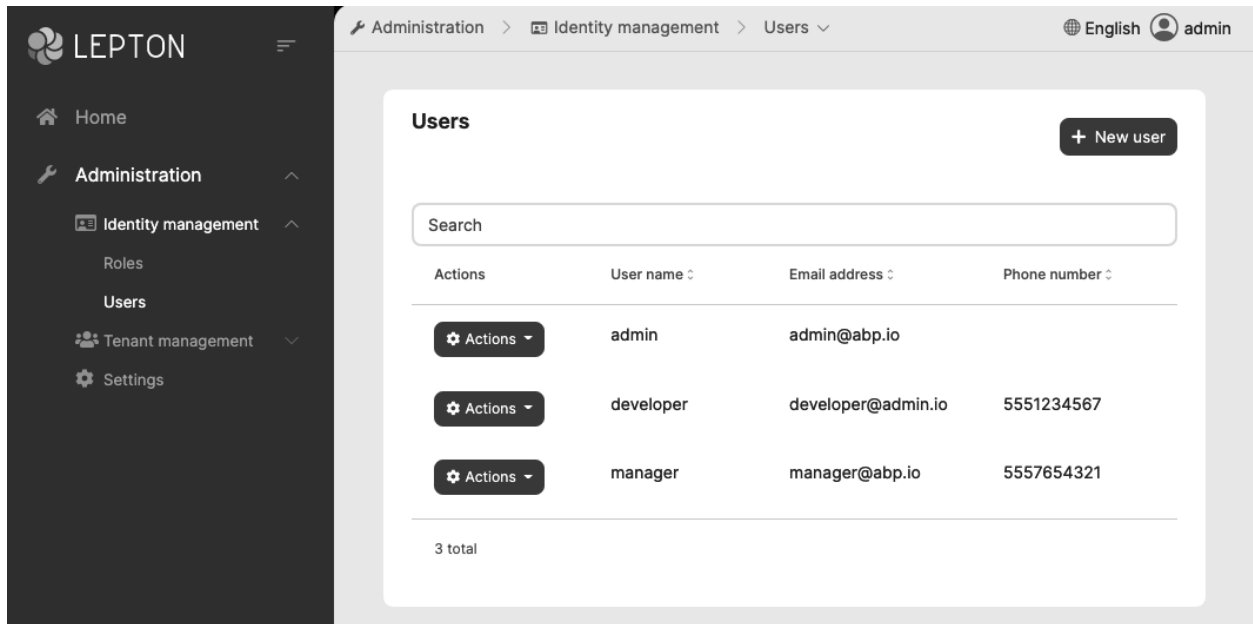


Chapter 1: Modern Software Development and ABP Framework



[Framework](#)[Community](#)[Commercial](#)[Blog](#)[GitHub](#)[Home](#)[Posts](#)[Stackoverflow](#)[Submit Your Post](#)

Welcome to the ABP community

Share your experiences with the ABP Framework!

[Submit Your Post](#)

hikalkan · January 2022 · 55 views

[VIDEO POST](#)

ABP Community Talks 2022.1: Microservice Development

Galip Tolga Erdem, Enis Necipoğlu and Halil İbrahim Kalkan will talk about the eShopOnAbp solution and explain microservice development with the ABP F...



hikalkan · January 2022 · 55 views

[VIDEO POST](#)

ABP Community Talks 2022.1: Microservice Development

Galip Tolga Erdem, Enis Necipoğlu and Halil İbrahim Kalkan will talk about the eShopOnAbp solution and explain microservice development with the ABP F... [Read more →](#)



Next Version: 5.2-preview

Planned release date: March 08, 2022



Done	Open	Closed
29%	45	19



maliming · January 2022 · 70 views

[POST](#)

How to Test Blazor Components in ABP

In this article, I will use bUnit for a simple test of a Blazor component. [Read more →](#)



Post Requests

Article Request - Deploy CI/CD to Azure from Github

Chapter 2: Getting Started with ABP Framework

Create New Project

This wizard creates a new project from the startup template which is properly configured to jump start your project.

Need Help?

[Read The Documentation](#)

- [Getting Started Tutorial](#)
- [Application Development Tutorial](#)
- [The Startup Template](#)
- [ABP CLI Documentation](#)

Give your project a name

Project name
ProductManagement

You can use different levels of namespaces; e.g. BookStore, Acme.BookStore or Acme.Retail.BookStore.

Select Project Type

 **Application**  Module

Select UI Framework

MVC Angular Blazor WebAssembly Blazor Server

Select Database Provider

Entity Framework Core Mongo DB

Select Database Management System

SQL Server MySQL PostgreSQL Oracle Oracle Devart SQLite

Mobile

None React Native

Email address

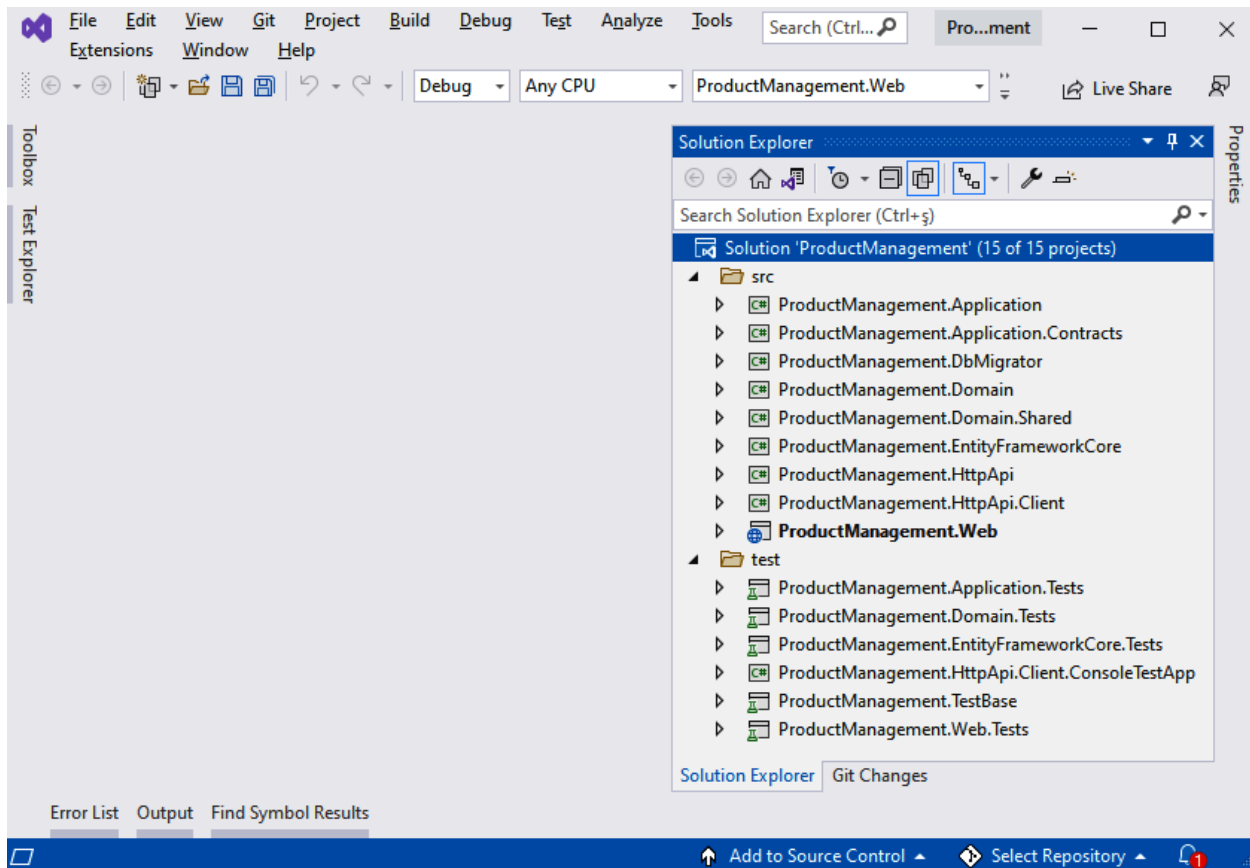
Email address (Optional)

Enter your email to get the latest news about the ABP Framework

☐ Tiered

Creates a tiered solution where Web and Http API layers are physically separated. If not checked, creates a layered solution which is less complex and suitable for most scenarios.

Create now



ProductManagement

Home

Login English

TENANT

Not selected

switch

Login

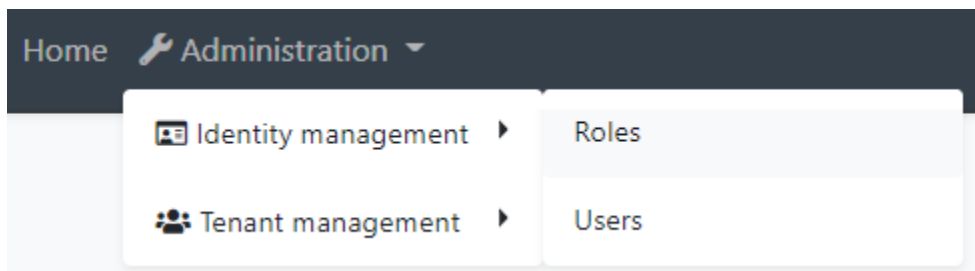
Are you a new user? [Register](#)

Username or email address

Password

☐ Remember me [Forgot password?](#)

Login



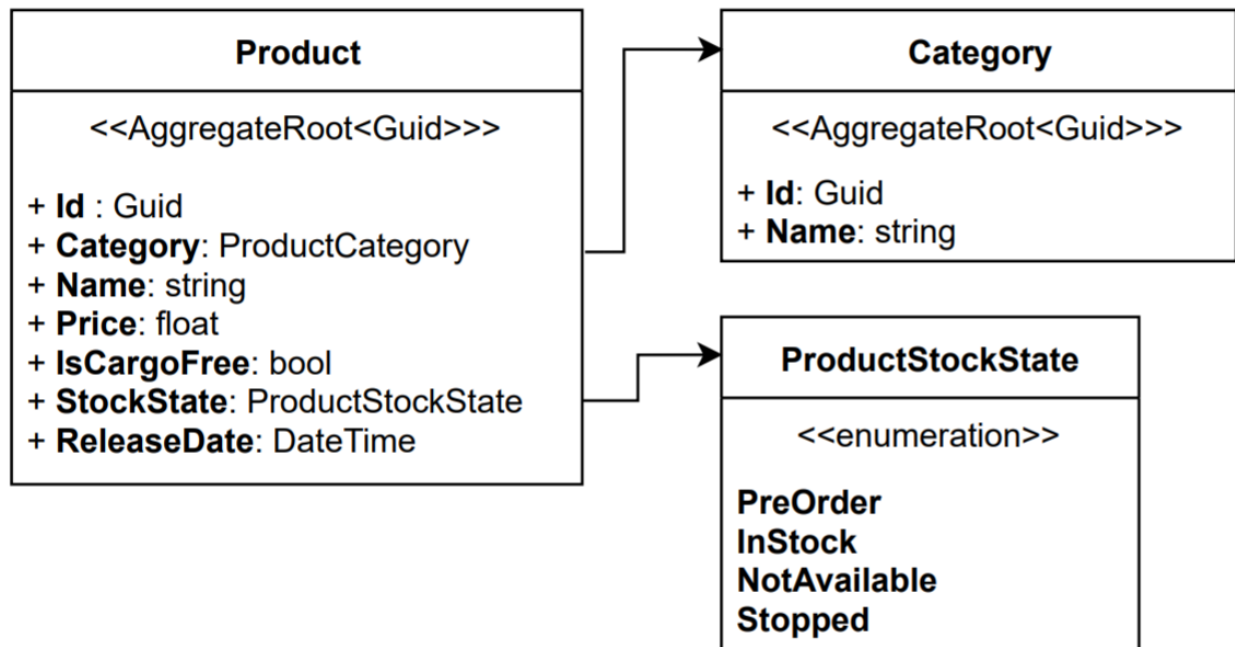
Roles

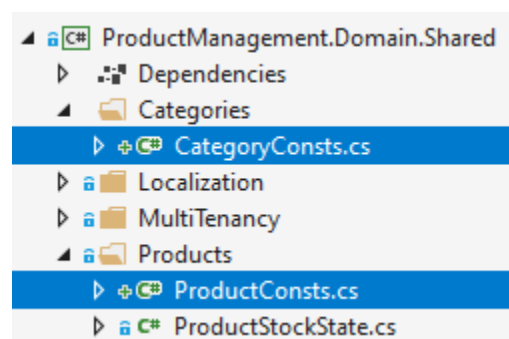
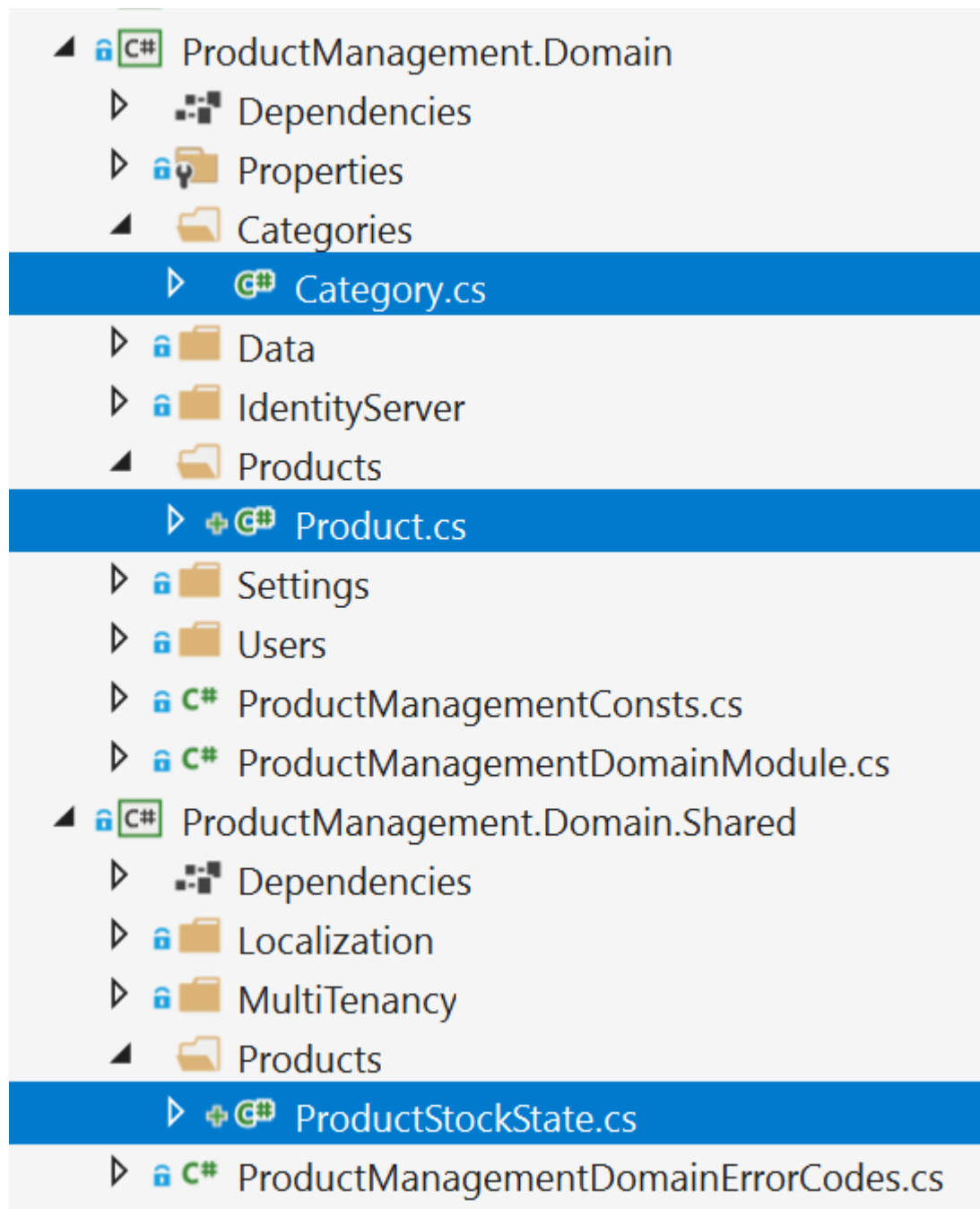
[+ New role](#)

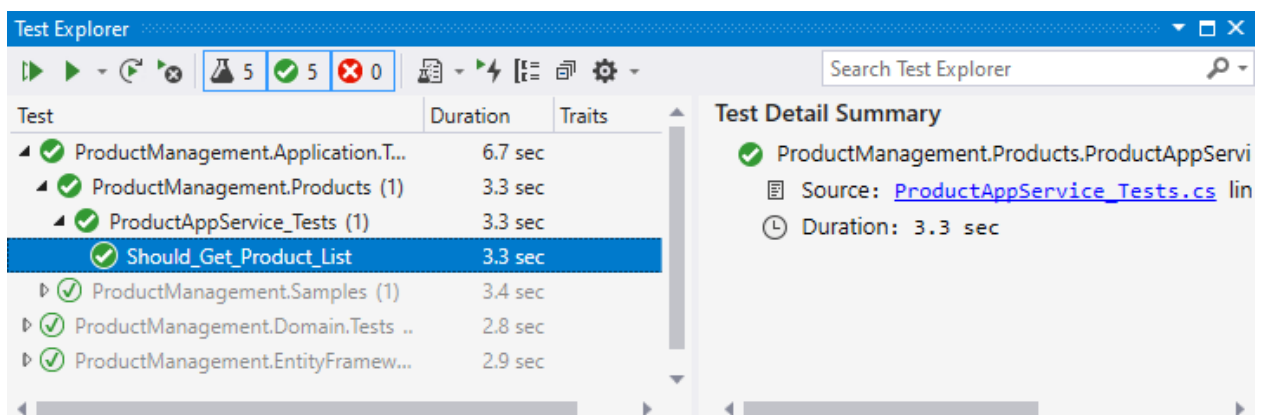
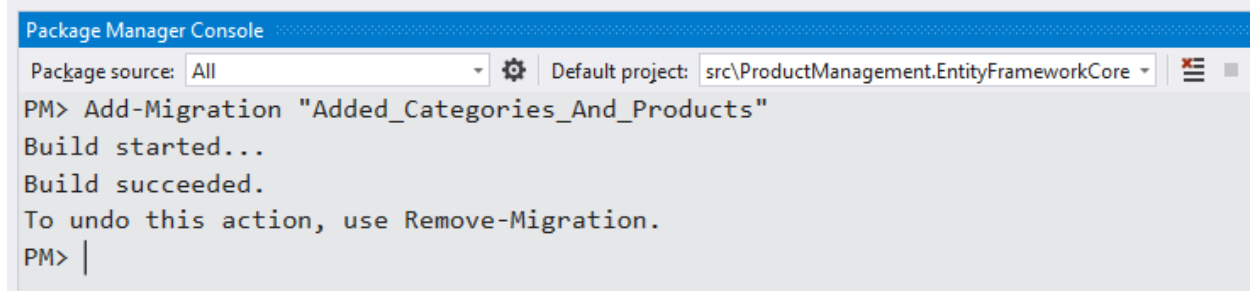
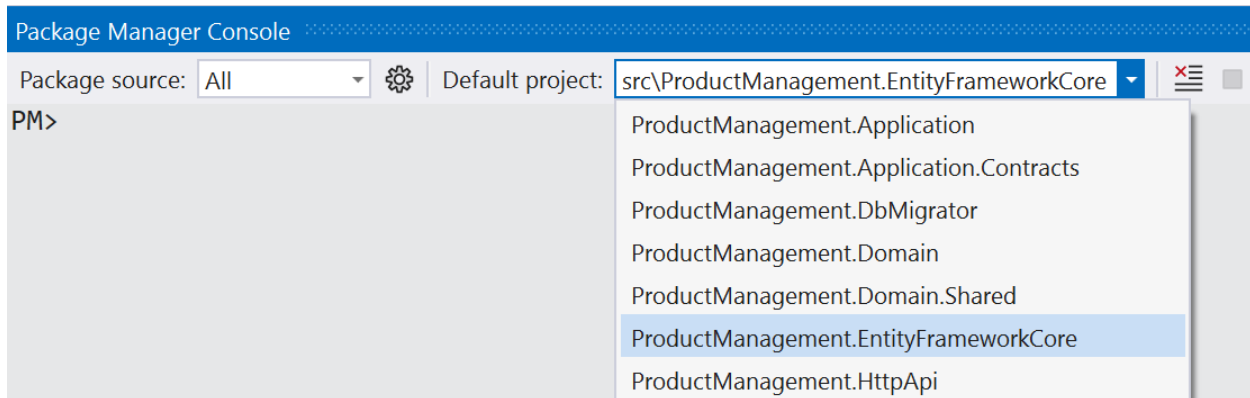
Actions	Role name	↑↓
⚙ Actions ▾	admin	
⚙ Actions ▾	manager	
⚙ Actions ▾	standard-user Default	

Show entries Showing 1 to 3 of 3 entries[Previous](#) [1](#) [Next](#)

Chapter 3: Step-by-Step Application Development







Swagger UI

localhost:44332/swagger/index.html

Swagger
Supported by SMARTBEAR

Select a definition ProductManagement API

ProductManagement API ^{v1} ^{OAS3}

/swagger/v1/swagger.json

AbpApiDefinition

GET /api/abp/api-definition

AbpApplicationConfiguration

GET /api/abp/application-configuration

AbpTenant

GET /api/abp/multi-tenancy/tenants/by-name/{name}

GET /api/abp/multi-tenancy/tenants/by-id/{id}

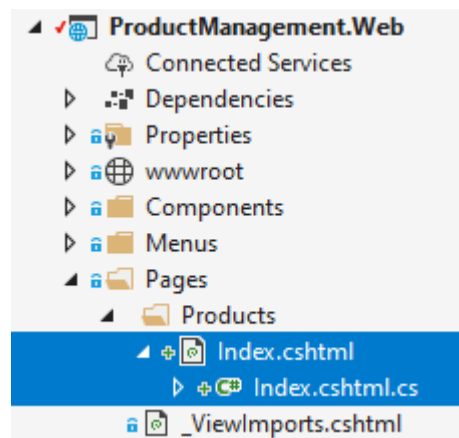
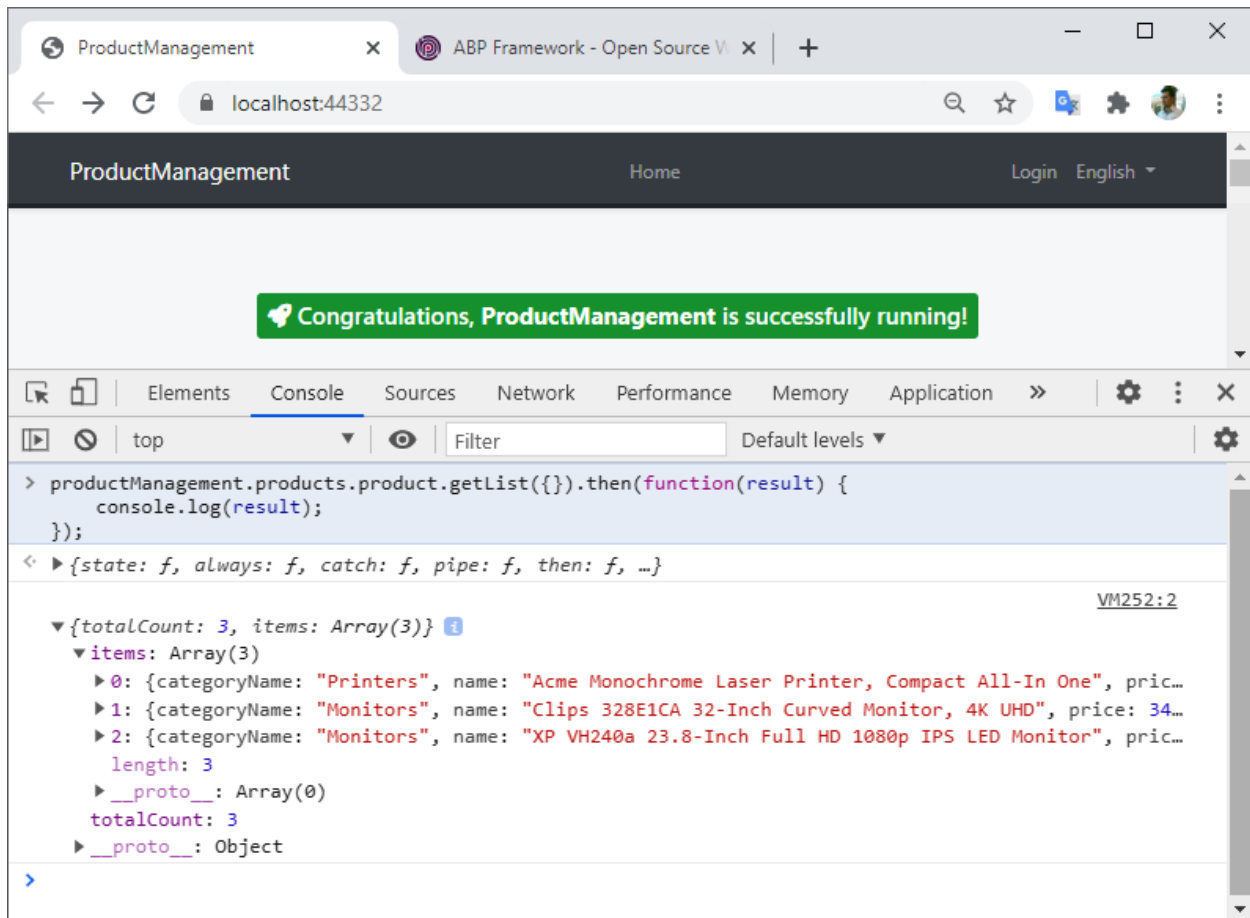
Swagger UI

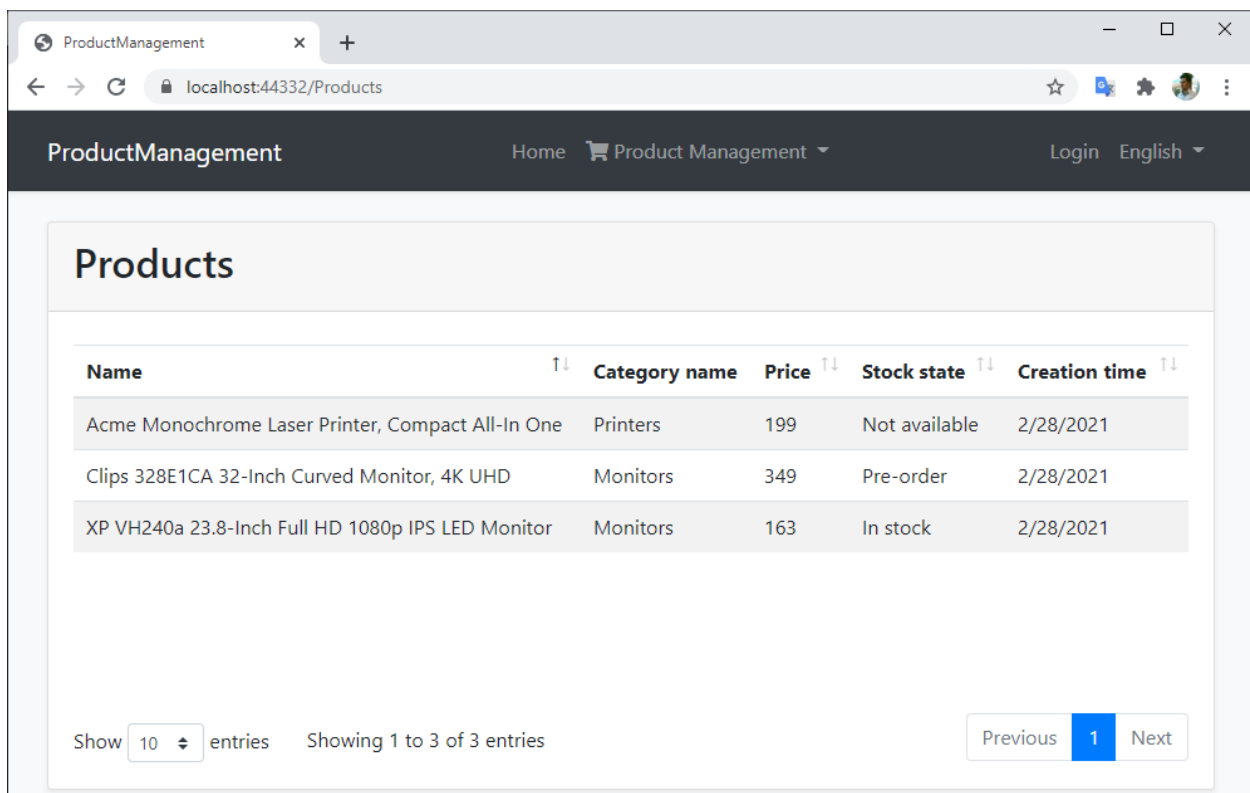
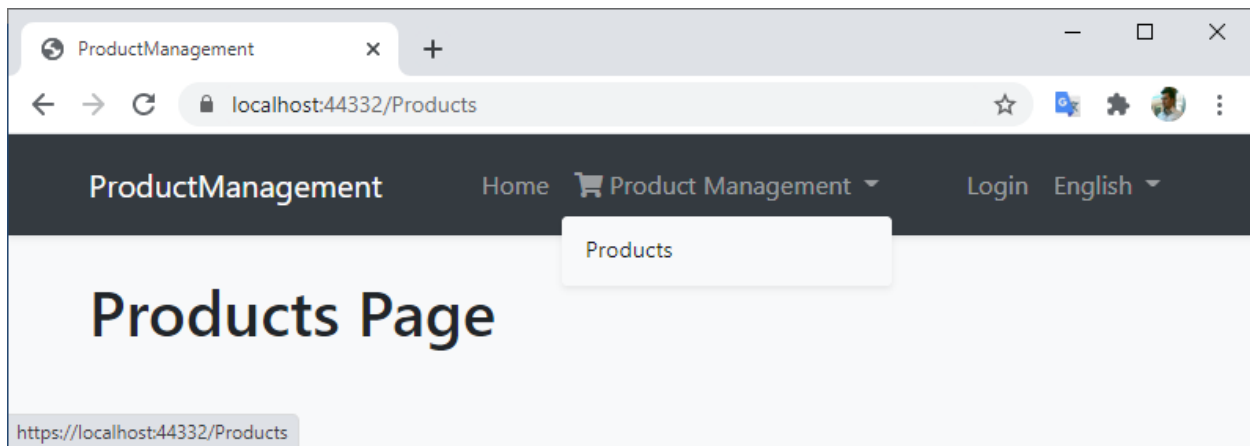
localhost:44332/swagger/index.html

PUT /api/permission-management/permissions

Product

GET /api/app/product





ProductManagement

LoginEnglish

Products

Acme Monochrome Laser Printer, Com
Clips 328E1CA 32-Inch Curved Monito
XP VH240a 23.8-Inch Full HD 1080p IP

Show10entriesShowing 1 to

New Product

Category

Monitors

Name *

Tarsus Gaming Laptop 17"

Price

2999

☒ Free Cargo

Release Date

24-May-2022

Stock state

PreOrder

CancelSave

+ New Product

Stock stateCreation time

available2/28/2021

order2/28/2021

ock2/28/2021

Previous1Next

ProductManagement

LoginEnglish

Products

ActionsName

EditAcme Monochrome Las

EditClips 328E1CA 32-Inch

EditXP VH240a 23.8-Inch Fu

Show10entriesShowing 1 to

Clips 328E1CA 32-Inch Curved Monitor, 4K UHD

Category

Monitors

Name *

Clips 328E1CA 32-Inch Curved Monitor, 4K UHD

Price

347

☒ Free Cargo

Release Date

01-Feb-2022

Stock state

PreOrder

CancelSave

+ New Product

Stock stateCreation time

Not available2/28/2021

Pre-order2/28/2021

In stock2/28/2021

Previous1Next

ProductManagement

Home Product Management

Login English

Products

+ New Product

Actions	Name	Category name	Price	Stock state	Creation time
Actions	Acme Monochrome Laser Printer, Compact All-In One	Printers	199	Not available	2/28/2021
Actions	Clips 328E1CA 32-Inch Curved Monitor, 4K UHD	Monitors	347	Pre-order	2/28/2021
Actions	XP VH240a 23.8-Inch Full HD 1080p IPS LED Monitor	Monitors	163	In stock	2/28/2021

Show 10 entries

Showing 1 to 3 of 3 entries

Previous 1 Next

ProductManagement

Home Product Management

Login English

Products

+ New Product

Actions	Name	Stock state	Creation time
Actions	Acme Monochrome La	Not available	2/28/2021
Actions	Clips 328E1CA 32-Inch	Pre-order	2/28/2021
Actions	XP VH240a 23.8-Inch F	In stock	2/28/2021

Show 10 entries

Showing 1 to 3

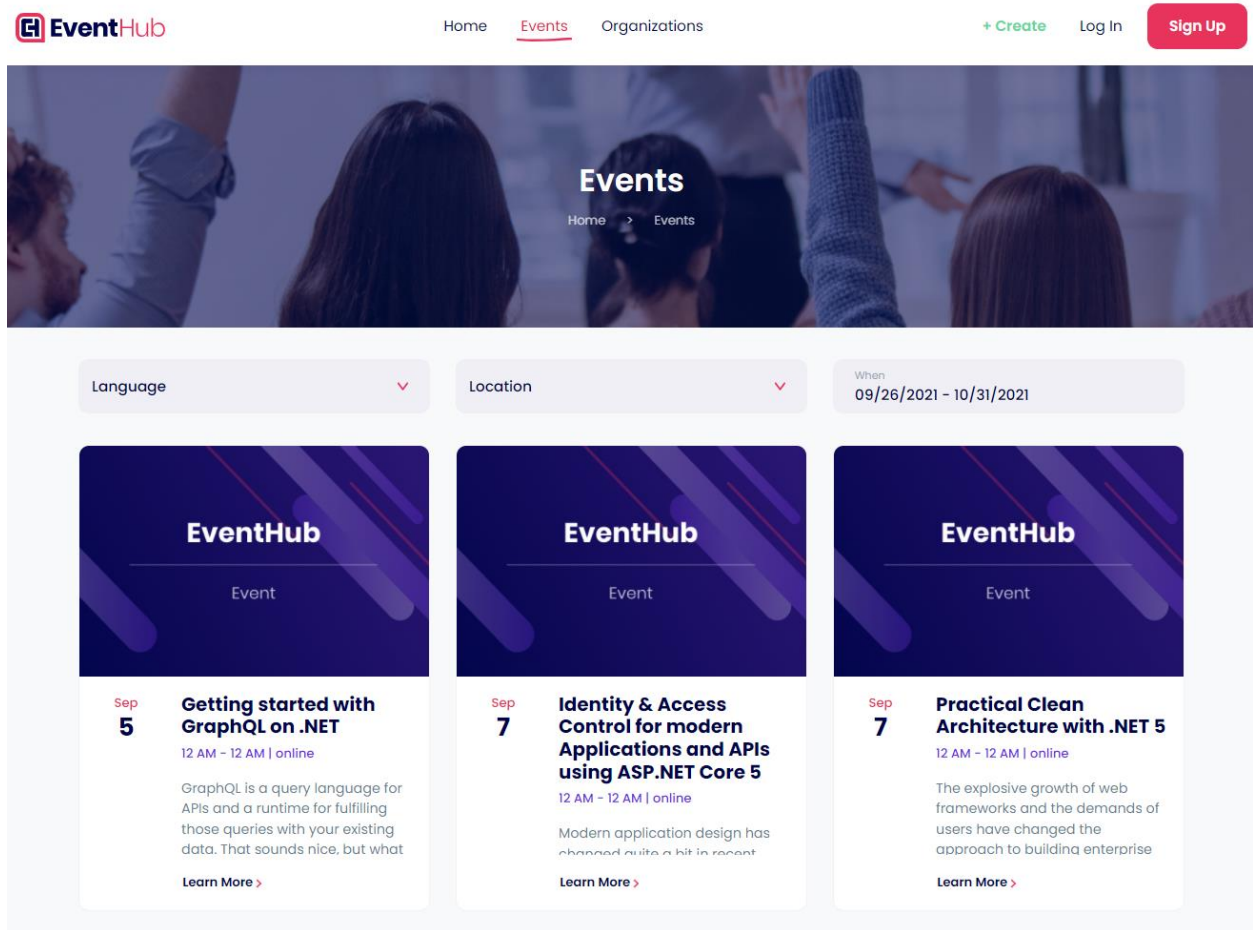
Previous 1 Next

Are you sure?

Are you sure to delete this book: Clips 328E1CA 32-Inch Curved Monitor, 4K UHD

Cancel Yes

Chapter 4: Understanding the Reference Solution



The screenshot displays the EventHub website interface. At the top, the EventHub logo is on the left, and navigation links for Home, Events (underlined), and Organizations are in the center. On the right, there are links for + Create, Log In, and a red Sign Up button. Below the navigation bar is a large banner image of a crowd with the word "Events" centered. Underneath the banner are three filter boxes: "Language" with a dropdown arrow, "Location" with a dropdown arrow, and "When" showing the date range "09/26/2021 - 10/31/2021". The main content area features three event cards, each with a dark blue header containing the EventHub logo and the word "Event".

EventHub
Event

Sep 5
Getting started with GraphQL on .NET
12 AM - 12 AM | online
GraphQL is a query language for APIs and a runtime for fulfilling those queries with your existing data. That sounds nice, but what
[Learn More >](#)

Sep 7
Identity & Access Control for modern Applications and APIs using ASP.NET Core 5
12 AM - 12 AM | online
Modern application design has changed quite a bit in recent
[Learn More >](#)

Sep 7
Practical Clean Architecture with .NET 5
12 AM - 12 AM | online
The explosive growth of web frameworks and the demands of users have changed the approach to building an enterprise
[Learn More >](#)

Create New Event

ABP Framework



Title

Microservice Development with the ABP Framework

Start Date

20-Jan-2022 20:00



End Date

20-Jan-2022 21:30



In this talk, we will be exploring the eShopOnAbp project and explain how ABP helped us to create a real-world microservice solution.

Cover Image



For horizontal format 600x400 sized upload images.

File name: **abp-community-talks-2022-1-kommunity.png**

Online



Online Link

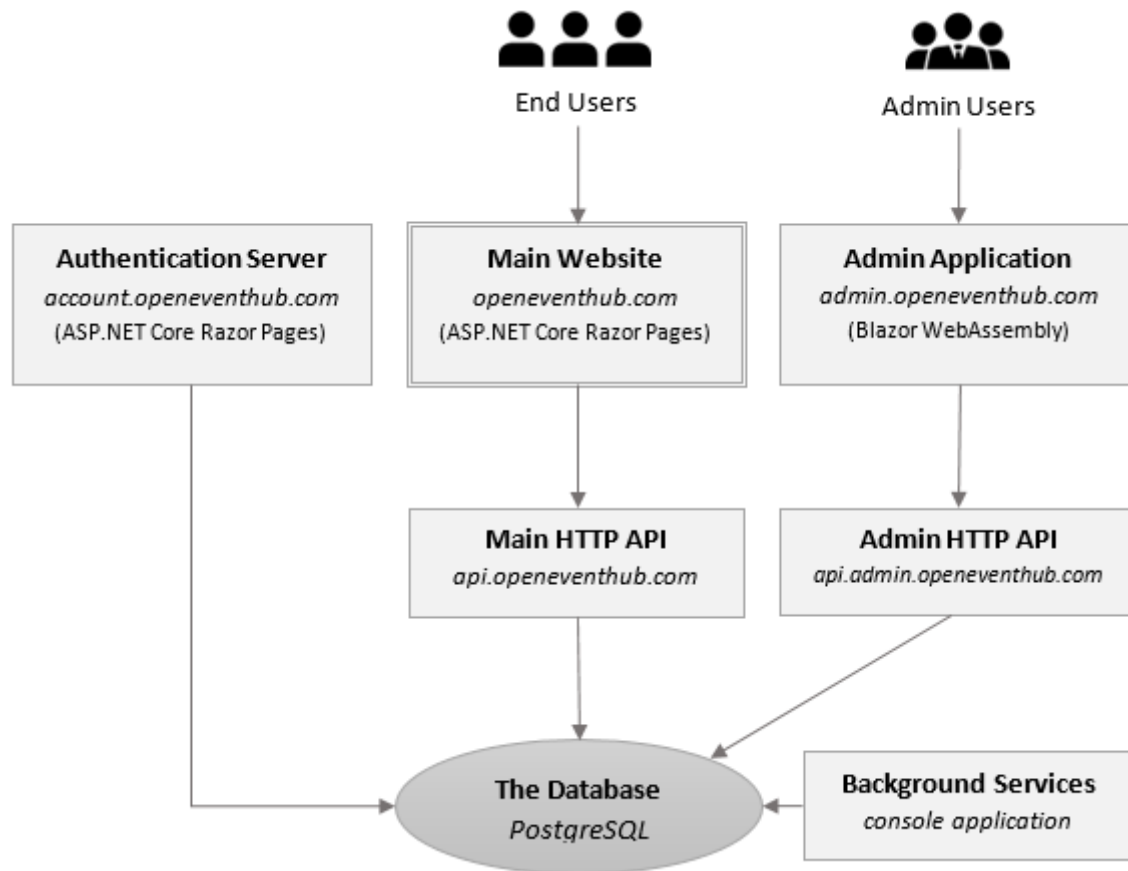
<https://www.youtube.com/watch?v=TpyR>

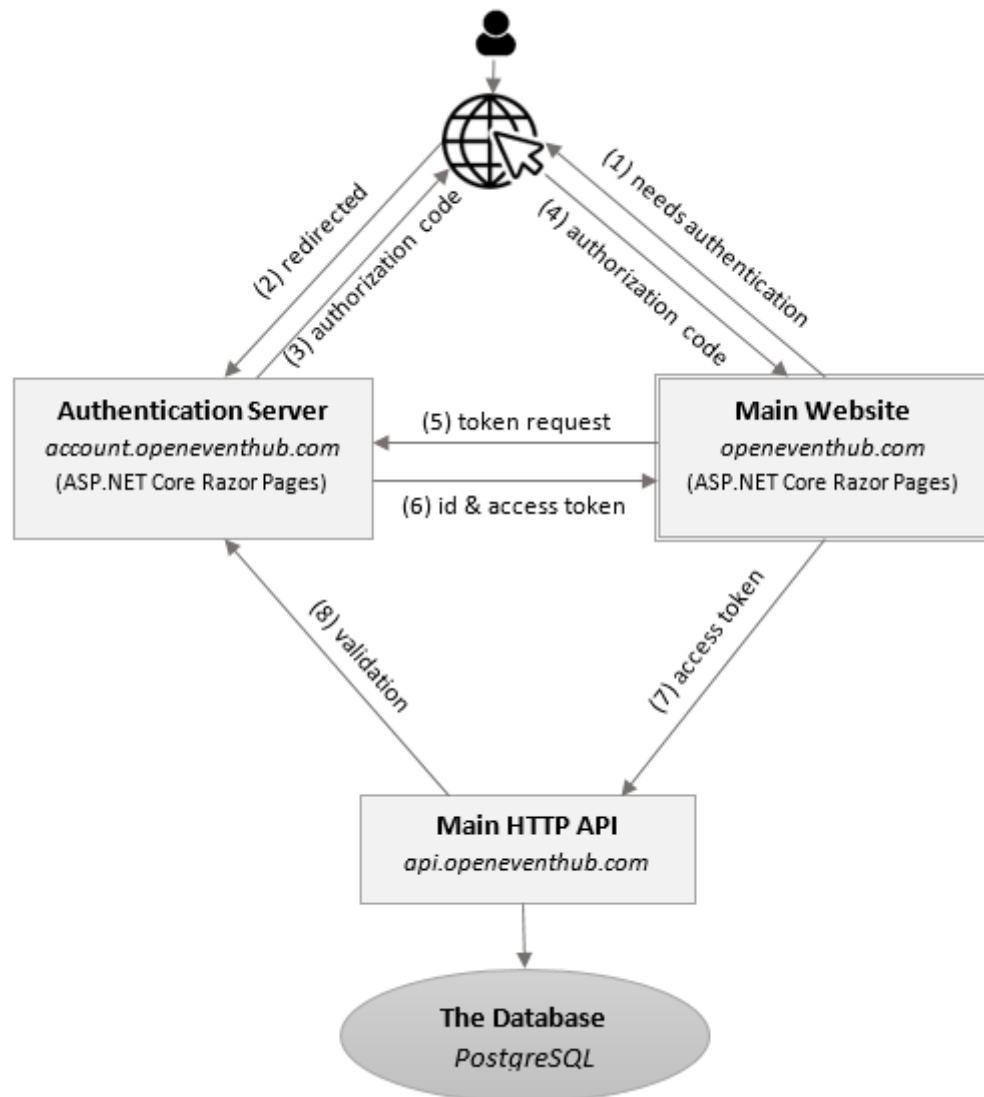
Capacity

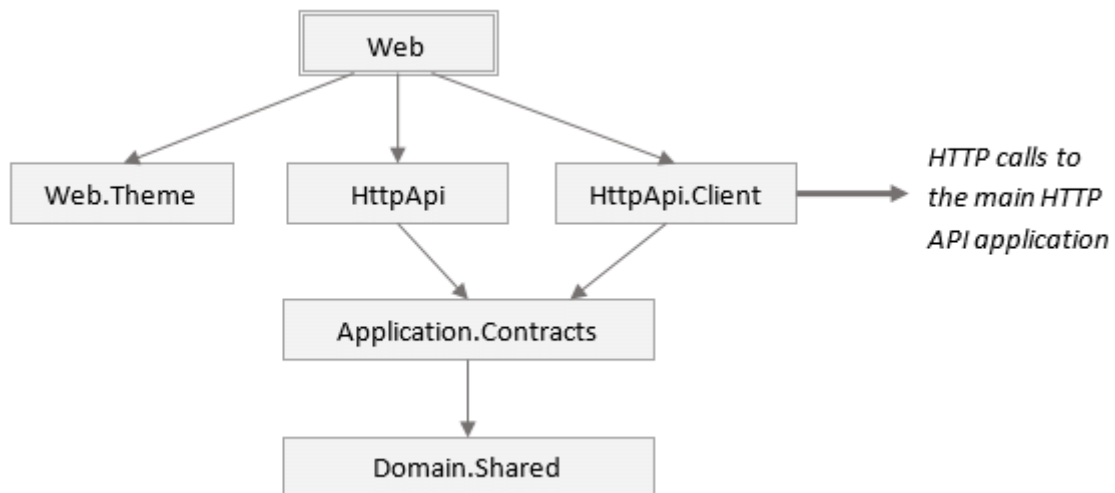
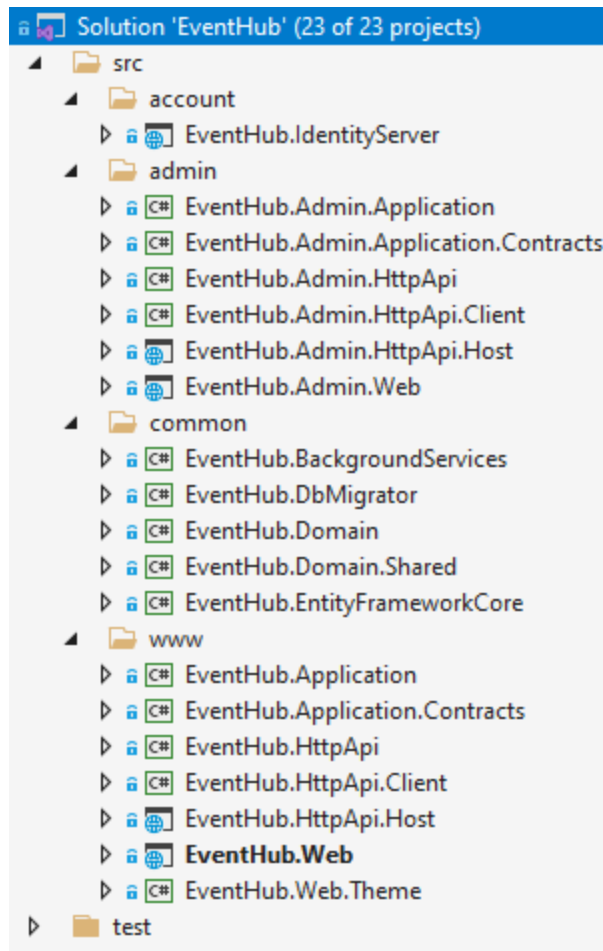
English

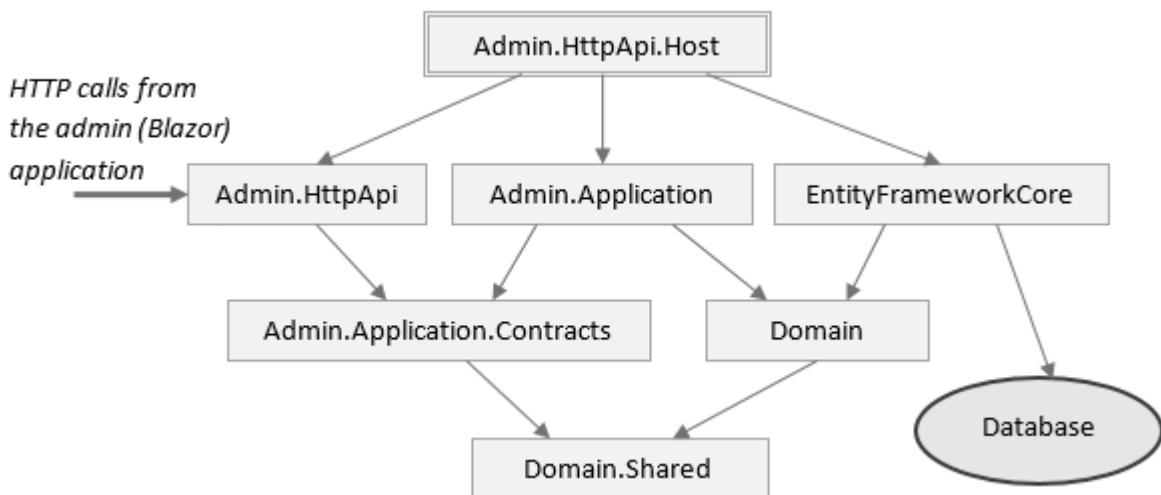
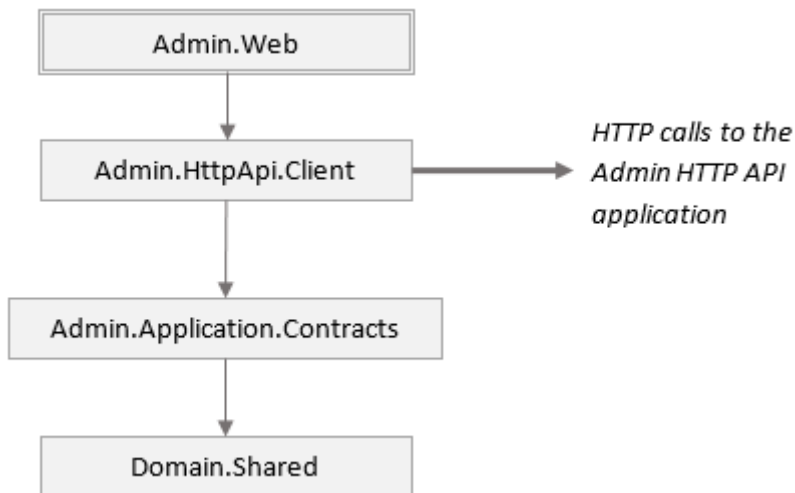
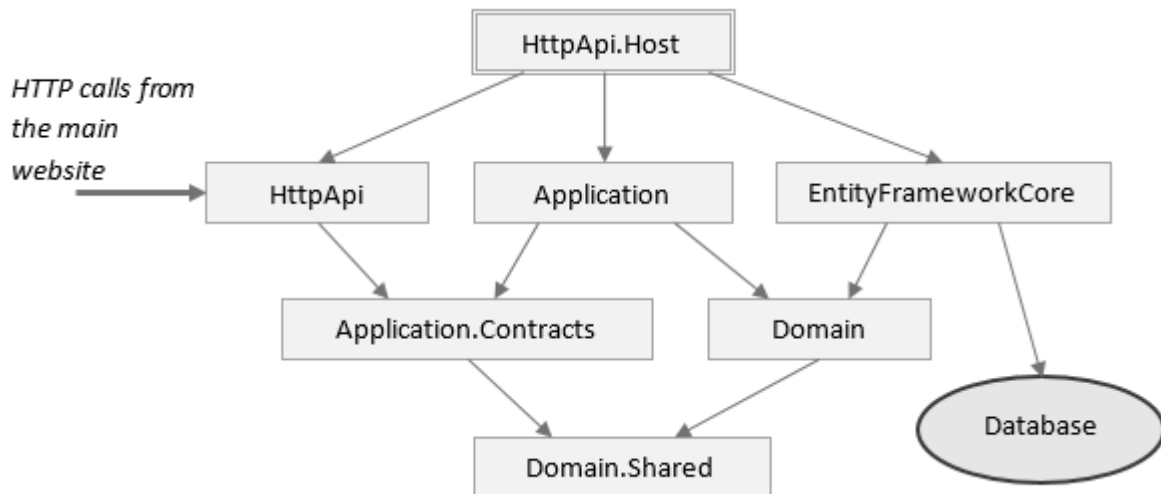


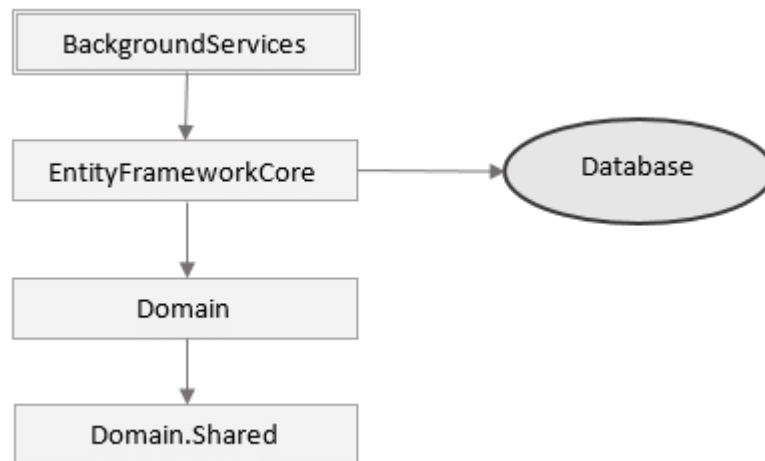
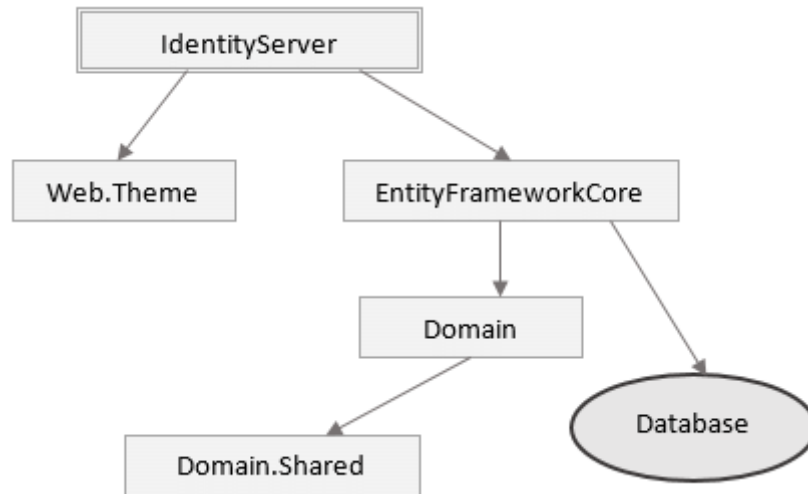
Next Step →







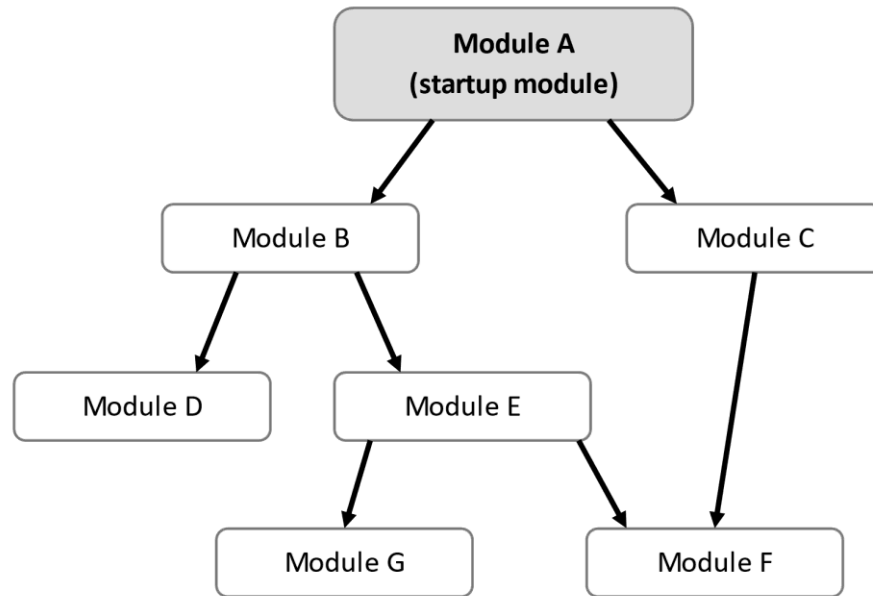




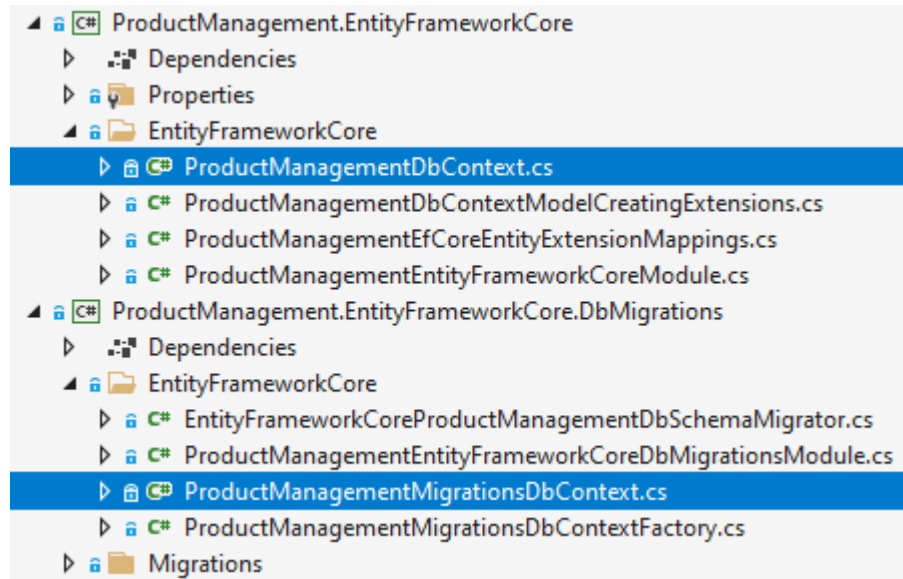
ui-design
elines
eventhub

Home

Chapter 5: Exploring the ASP.NET and ABP Infrastructure



Chapter 6: Working with the Data Access Infrastructure



Chapter 7: Exploring Cross-Cutting Concerns

ProductManagement

[Home](#) [Administration](#)

English [admin](#)

Roles

[+ New role](#)

Actions	Role name	↑↓
⚙ Actions	admin Public	
⚙ Actions	manager	

Edit

Permissions

Delete

Show

10

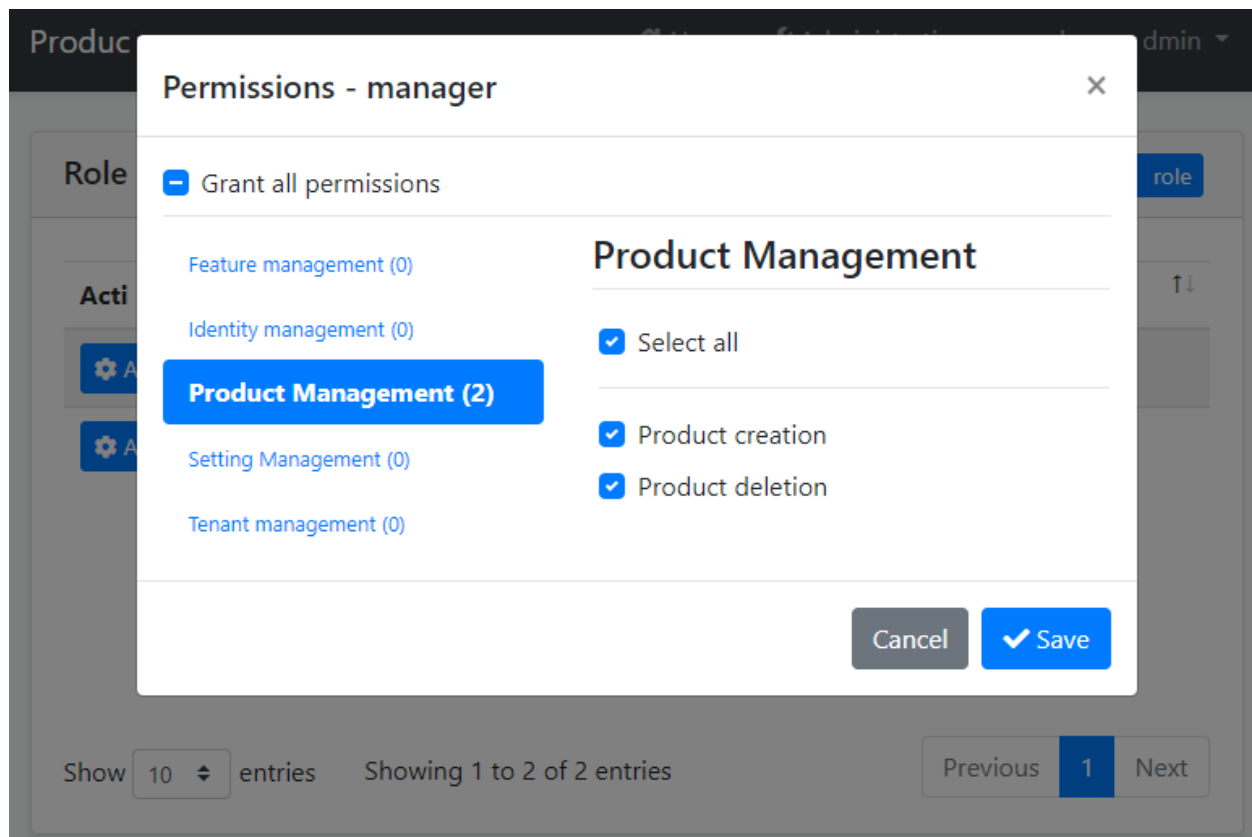
entries

Showing 1 to 2 of 2 entries

Previous

1

Next



Feature management (1)

Identity management (10)

Product Management (2)

Setting Management (1)

Tenant management (6)

Identity management

☒ Select all

☒ Role management

☒ Create

☒ Edit

☒ Delete

☒ Change permissions

☒ User management

☒ Create

☒ Edit

☒ Delete

☒ Change permissions



An internal error occurred during
your request!

OK

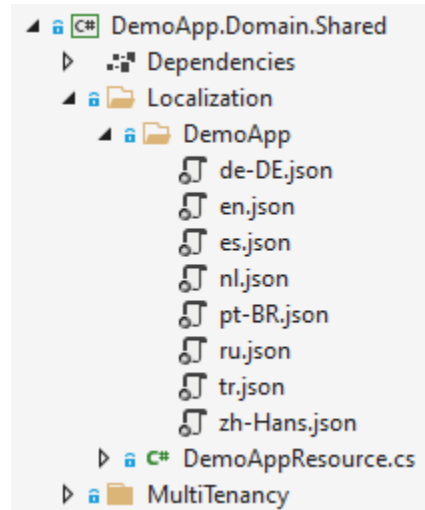
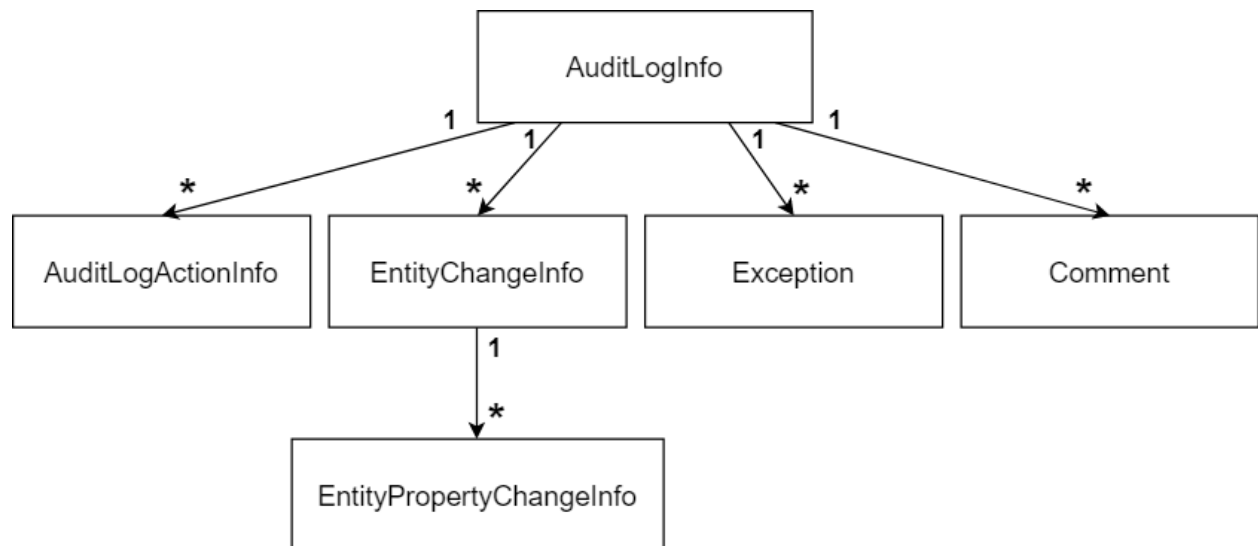
TENANT



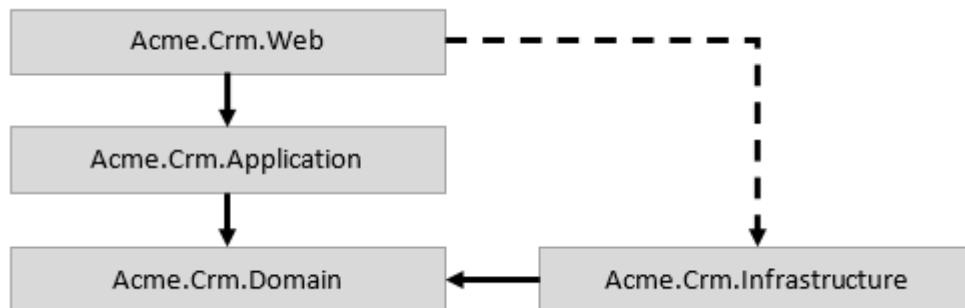
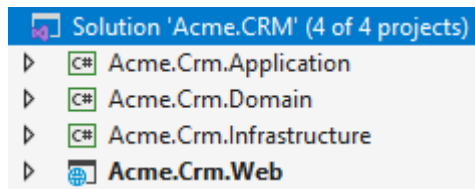
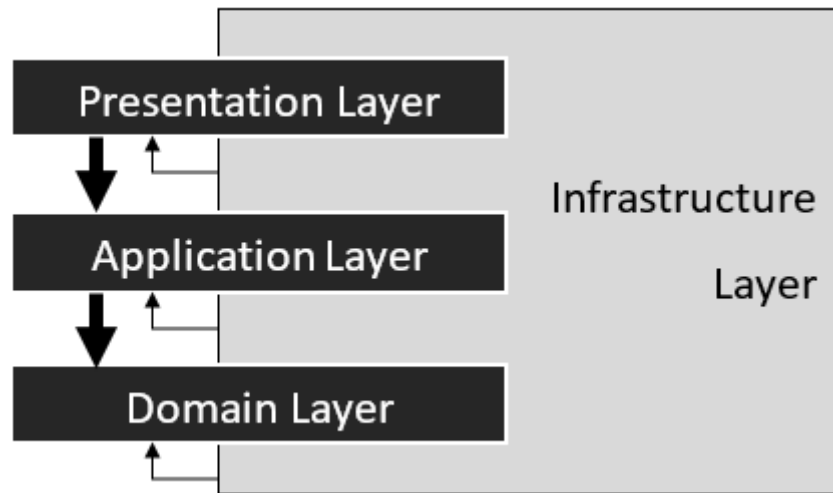
This message is available to the
user!

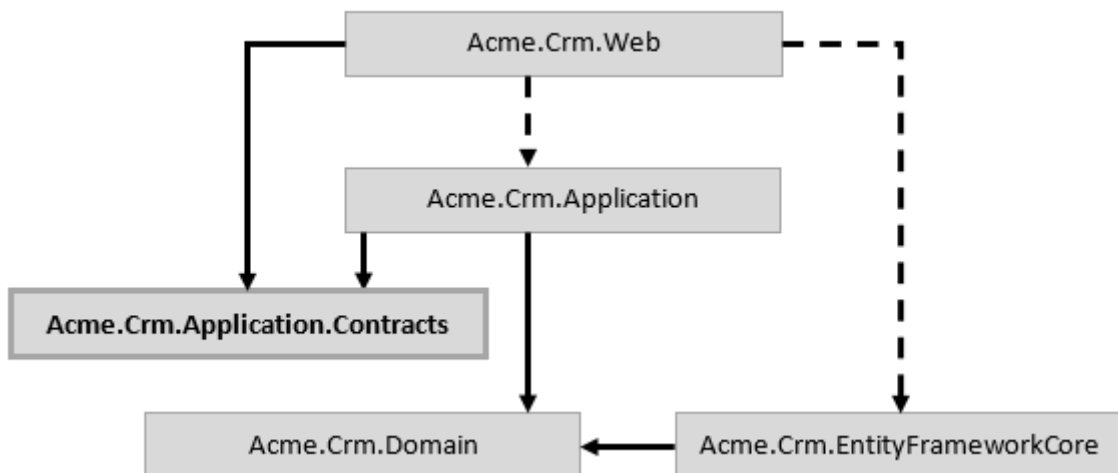
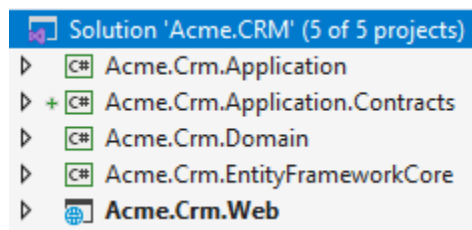
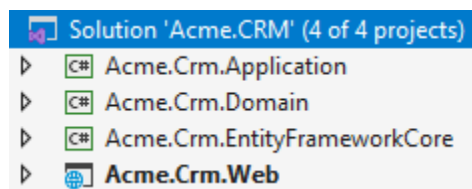
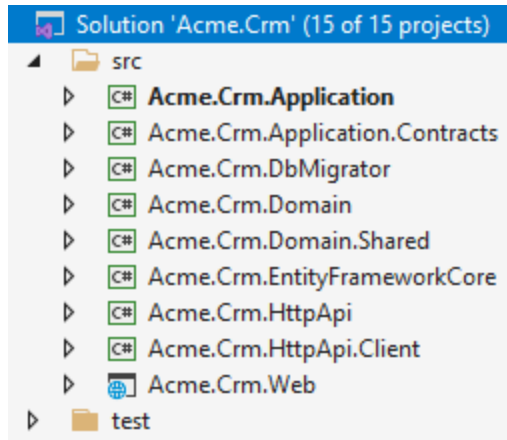
OK

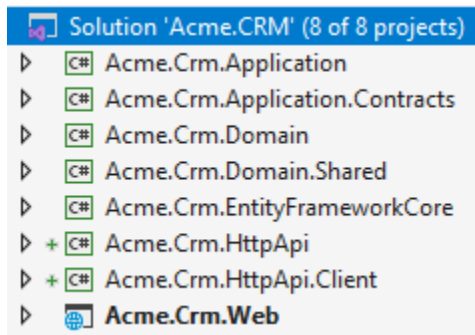
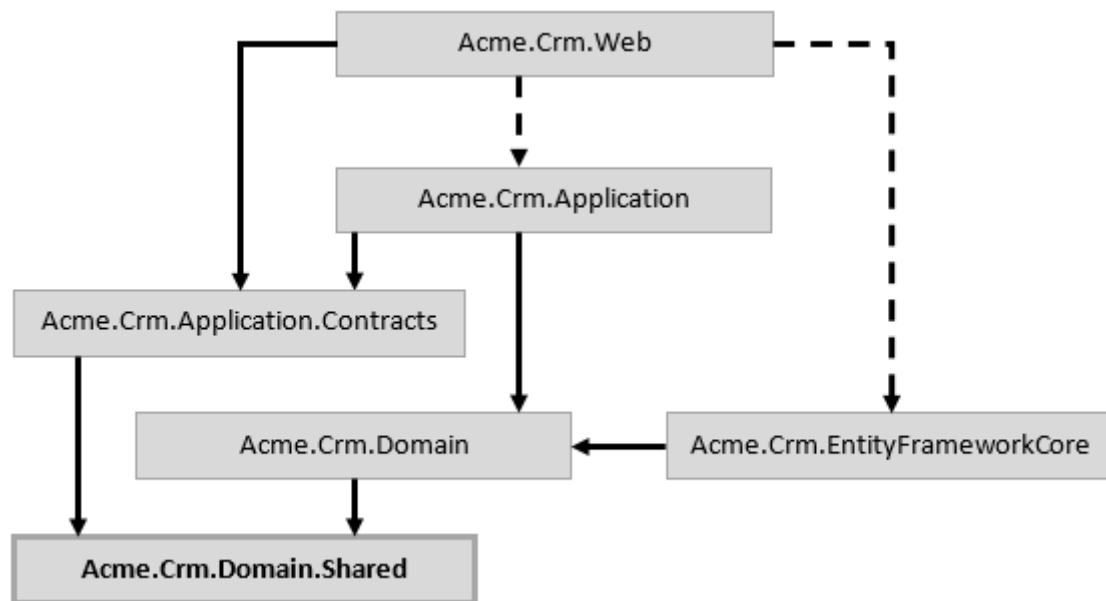
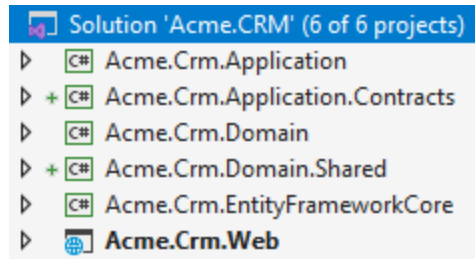
Chapter 8: Using the Features and Services of ABP

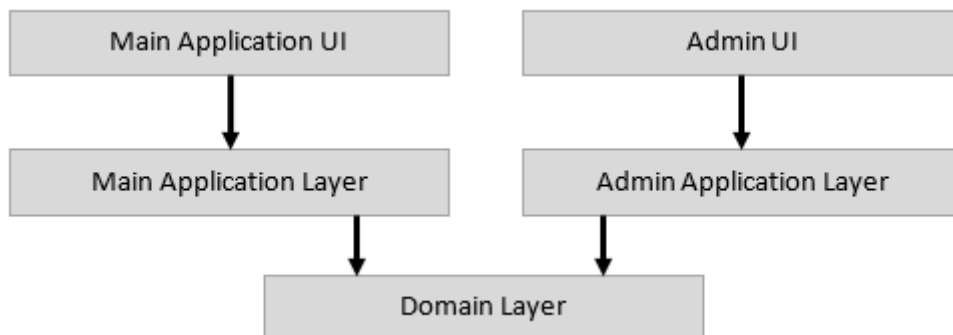


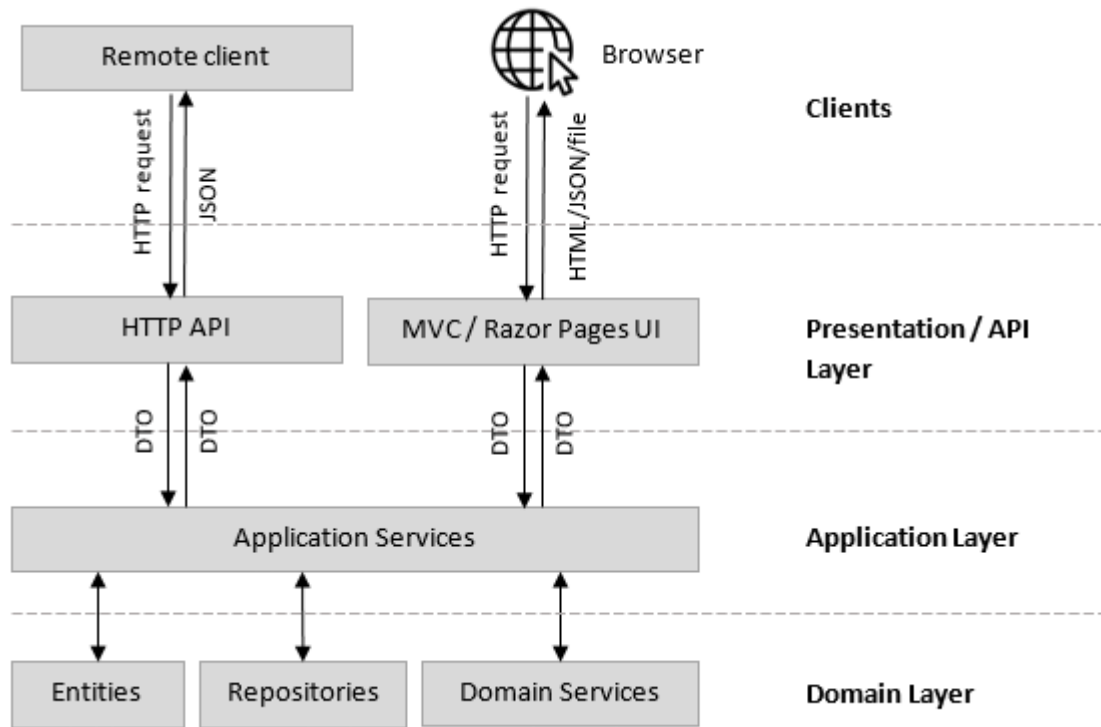
Chapter 9: Understanding Domain Driven Design



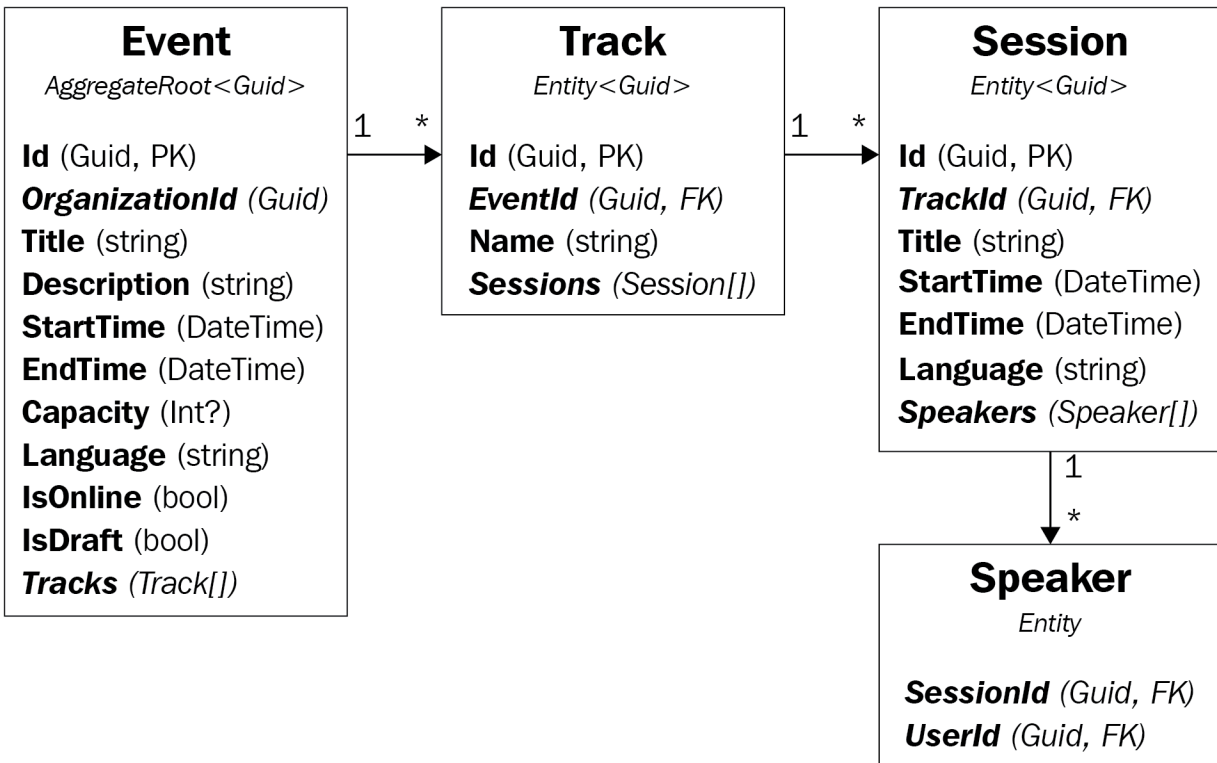








Chapter 10: DDD – The Domain Layer



Chapter 11: DDD –The Application Layer

No images

Chapter 12: Working with MVC/Razor Pages

The screenshot displays the LEPTON administration dashboard. On the left is a dark sidebar with the LEPTON logo and a menu containing: Home, Administration, Identity management (expanded), Roles, Users, Tenant management, and Settings. The main content area has a breadcrumb trail: Administration > Identity management > Users. In the top right corner, there are links for 'English' and 'admin'. The 'Users' section features a '+ New user' button and a search bar. Below the search bar is a table with columns: Actions, User name, Email address, and Phone number. The table lists three users: 'admin' (email: admin@abp.io), 'developer' (email: developer@admin.io, phone: 5551234567), and 'manager' (email: manager@abp.io, phone: 5557654321). Each user row has an 'Actions' button with a gear icon. At the bottom of the table, it states '3 total'.

Actions	User name	Email address	Phone number
<button>⚙ Actions</button>	admin	admin@abp.io	
<button>⚙ Actions</button>	developer	developer@admin.io	5551234567
<button>⚙ Actions</button>	manager	manager@abp.io	5557654321

3 total

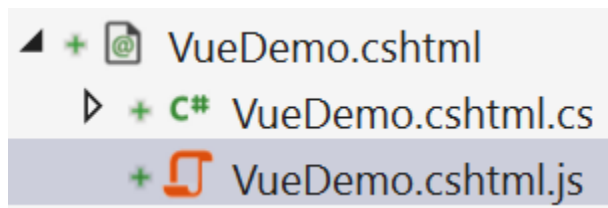
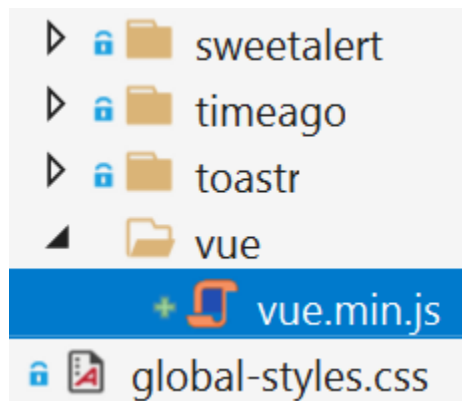
Diagram illustrating the layout of a web application header and main content area:

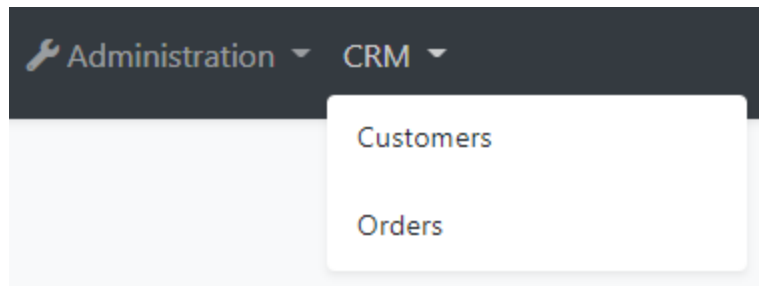
- Main Header**: Contains the **Branding** (MyProject), **Main Menu** (Home, Administration), **Main Toolbar** (Languages, User Menu), and **User Menu** (admin).
- Page Content**: Displays the **Users** management interface.

The **Users** interface includes a **+ New user** button, a search bar, and a table of users:

Actions	User name	Email address	Phone number
Actions	admin	admin@abp.io	
Actions	john	john@nash.com	123456

Footer: Show 10 entries Showing 1 to 2 of 2 entries Previous 1 Next





Name

Name *

Genre

Description *

Price

ReleaseDate *

☒ PreOrder

Name *

The Name field is required.

Please correct the form fields!



Create a new movie

Name *

Indiana Jones 5

ReleaseDate *

Description *

The untitled fifth Indiana Jones film is an upcoming American action-adventure film directed by James Mangold, with a script co-written by Mangold, Jez Butterworth and John-

Genre

Action

Price

9999

Price should be lower than 999 for pre-order movies!

☒ PreOrder

Submit

Name *

Name alanı zorunludur.

İsim *

İsim alanı zorunludur.



Your request is not valid!

The following errors were detected during validation.

- Price should be lower than 999 for pre-order movies!

OK

My header

×

Hello modals!

Close

Create new movie



Name *

The Matrix 4

Genre

Fiction



Description *

The Matrix Resurrections is an upcoming American science fiction action film produced, co-written, and directed by



Price

29

Release date *

22-Dec-2021



☐ Pre-order

Cancel

✓ Save



Congratulations

Your changes have been successfully saved!

OK



Are you sure?

Are you sure to delete this product?

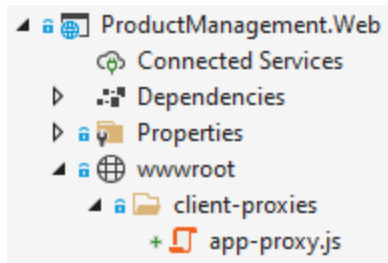
Cancel

Yes



Deleted the Product

The product has been successfully deleted.



Chapter 13: Working with the Blazor WebAssembly UI

Blazorise Demo

Dashboard

UI Elements

Forms

Extensions

Utilities

Apps

Blazorise Demo

Home Documentation More Layout Theme GitHub

Basic Fields

Most common form control, text-based input fields. Includes support for most of HTML5 types:
`text, password, date, number, text, email, url.`

Name

Some text value...

Email

email

Password

Placeholder

placeholder

Text area



This is a success message!

Ok




Are you sure to delete the product?

Cancel

Yes

Successfully deleted the product!

DemoApp

 Home

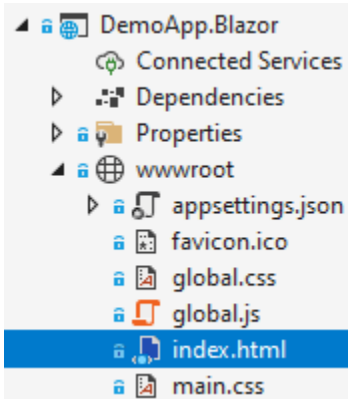
English ▾ Login

Deleted!

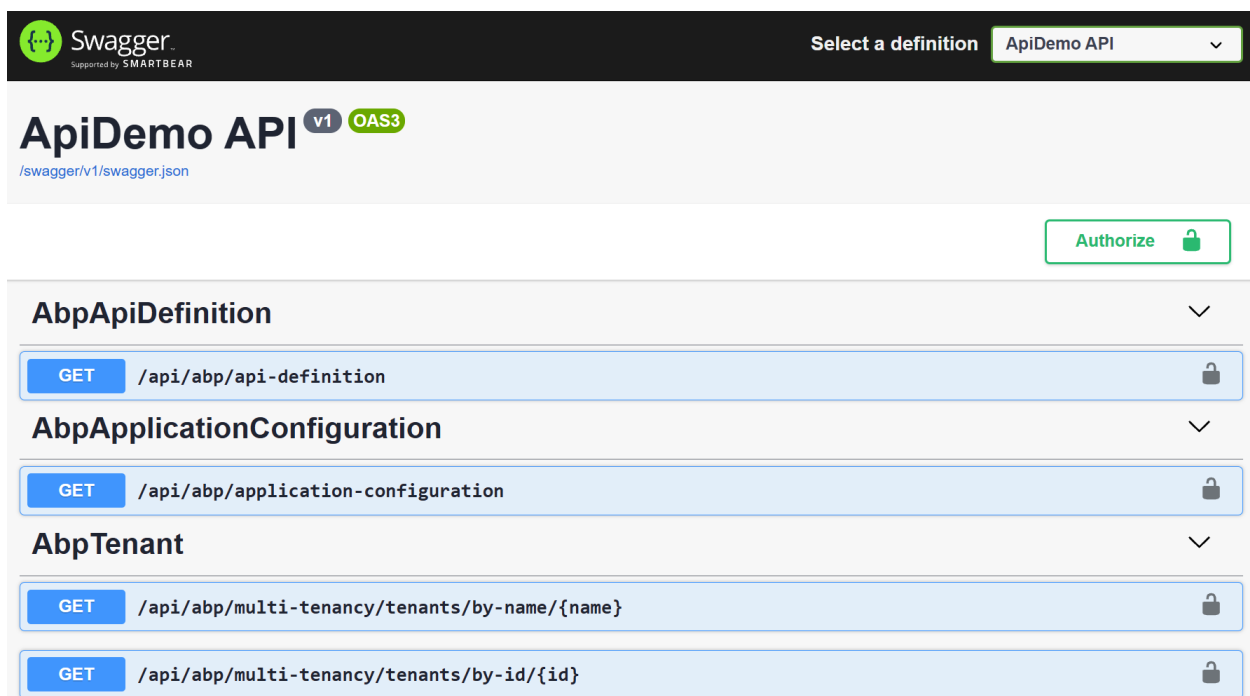
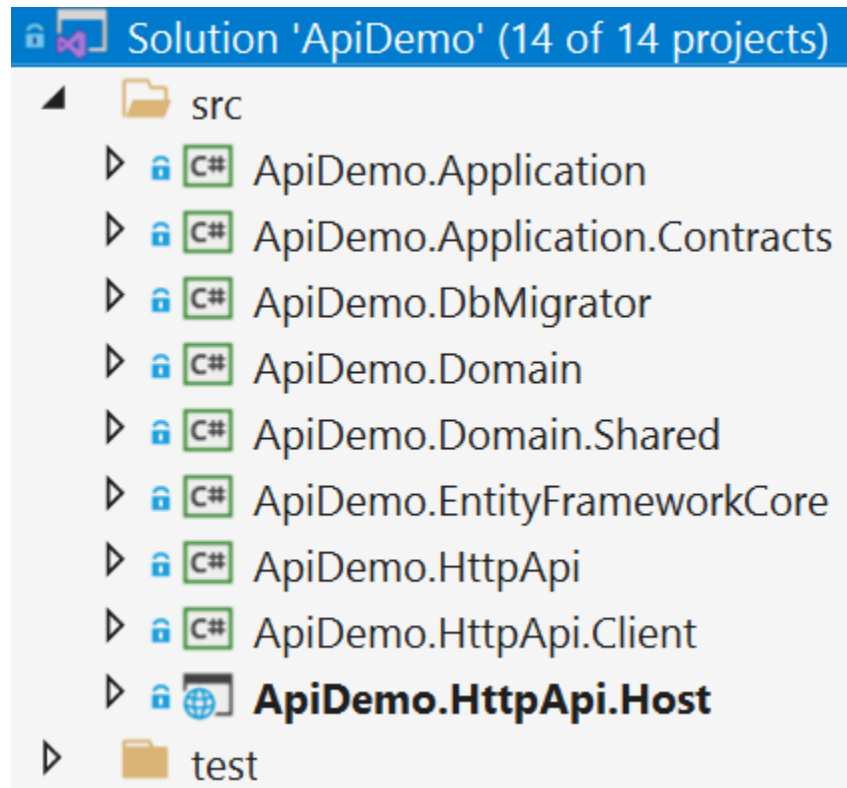


Successfully deleted the product.

Click me!



Chapter 14: Building HTTP APIs and Real-Time Services



Product



GET

/api/app/product



PUT

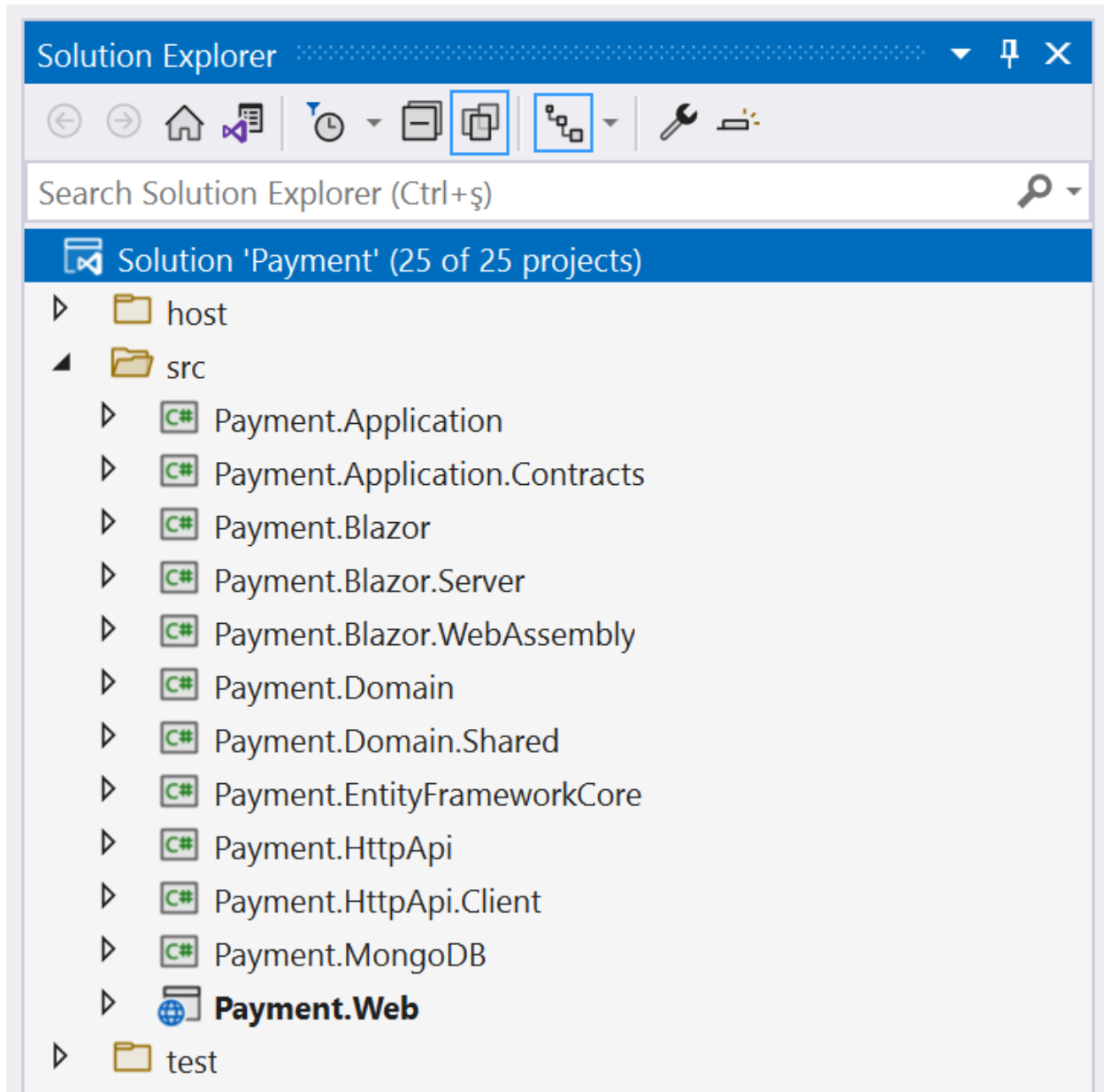
/api/app/product/{id}



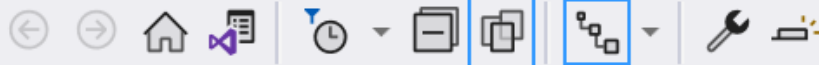
- ApiDemo.Application
 - Dependencies
 - Properties
 - Products
 - + C# ProductAppService.cs
 - ApiDemoApplicationAutoMapperProfile.cs
 - ApiDemoApplicationModule.cs
 - ApiDemoAppService.cs
- ApiDemo.Application.Contracts
 - Dependencies
 - Permissions
 - Products
 - IProductAppService.cs
 - ProductDto.cs
 - ProductUpdateDto.cs
 - ApiDemoApplicationContractsModule.cs

- Dependencies
- ClientProxies
 - + app-generate-proxy.json
 - + C# ProductClientProxy.cs
 - + C# ProductClientProxy.Generated.cs

Chapter 15: Working with Modularity



Solution Explorer

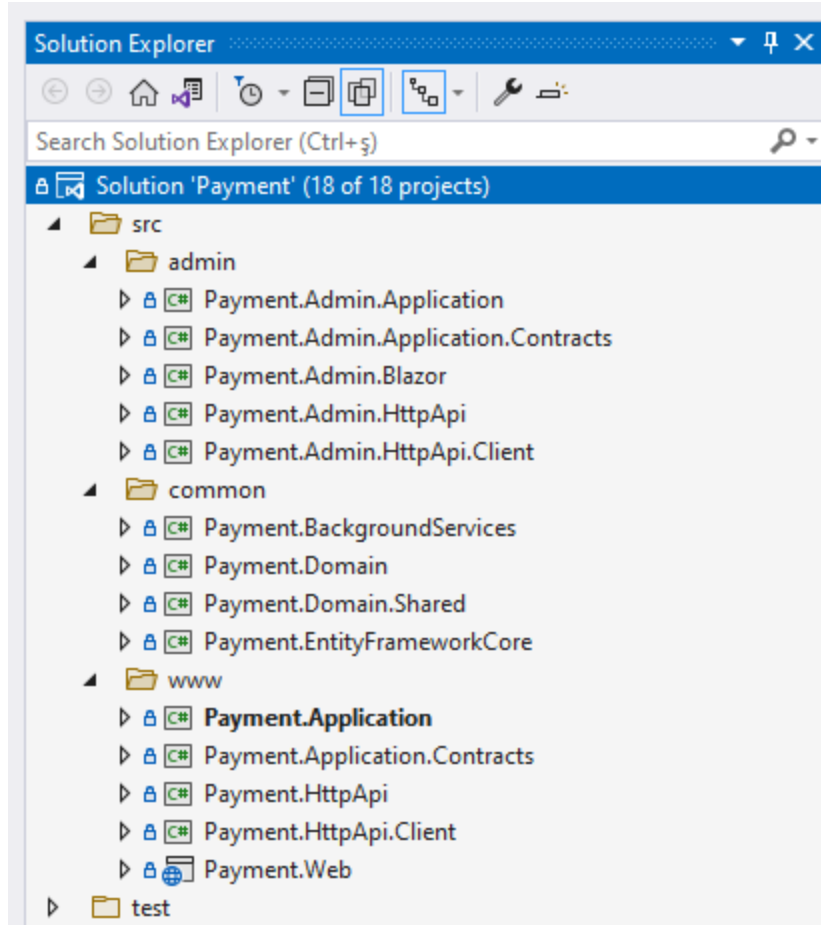


Search Solution Explorer (Ctrl+Shift+S)



Solution 'Payment' (12 of 12 projects)

- ▲ src
 - ▶ Payment.Application
 - ▶ Payment.Application.Contracts
 - ▶ Payment.Domain
 - ▶ Payment.Domain.Shared
 - ▶ Payment.EntityFrameworkCore
 - ▶ Payment.HttpApi
 - ▶ Payment.HttpApi.Client
 - ▶ **Payment.Web**
- ▲ test
 - ▶ Payment.Application.Tests
 - ▶ Payment.Domain.Tests
 - ▶ Payment.EntityFrameworkCore.Tests
 - ▶ Payment.TestBase



[About the Organization](#)[Events](#)[Members](#)

ABP Lovers

Developers who are using the ABP Framework and love it..!

Owners

[Upgrade To Premium](#)

Pricing plans

Choose the plan best for your organization.

Free account

\$ **0**

1 event per month
300 attendees per event

Premium account

\$ **29.90**

unlimited events
unlimited attendees

[Upgrade To Premium](#)

Shopping Cart

Product Name & Details	Total
EventHub Premium Upgrade abp-lovers Target Plan: Premium End date: 11/11/2022	29.90 USD

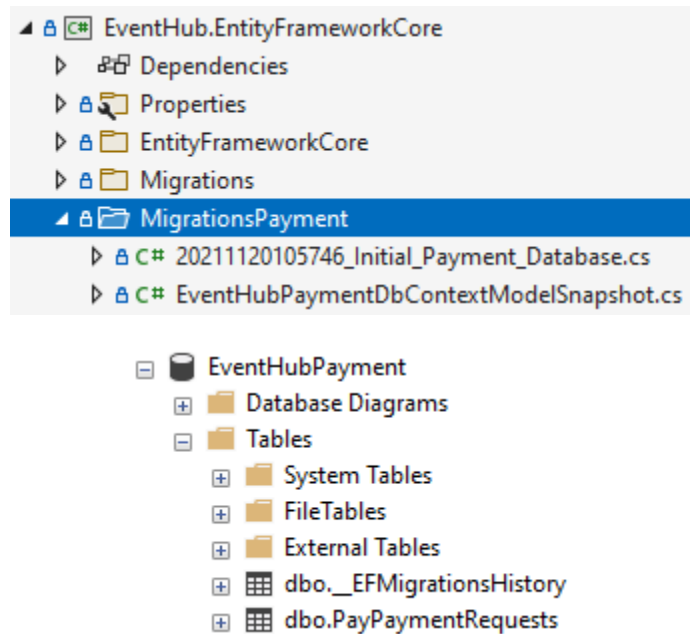
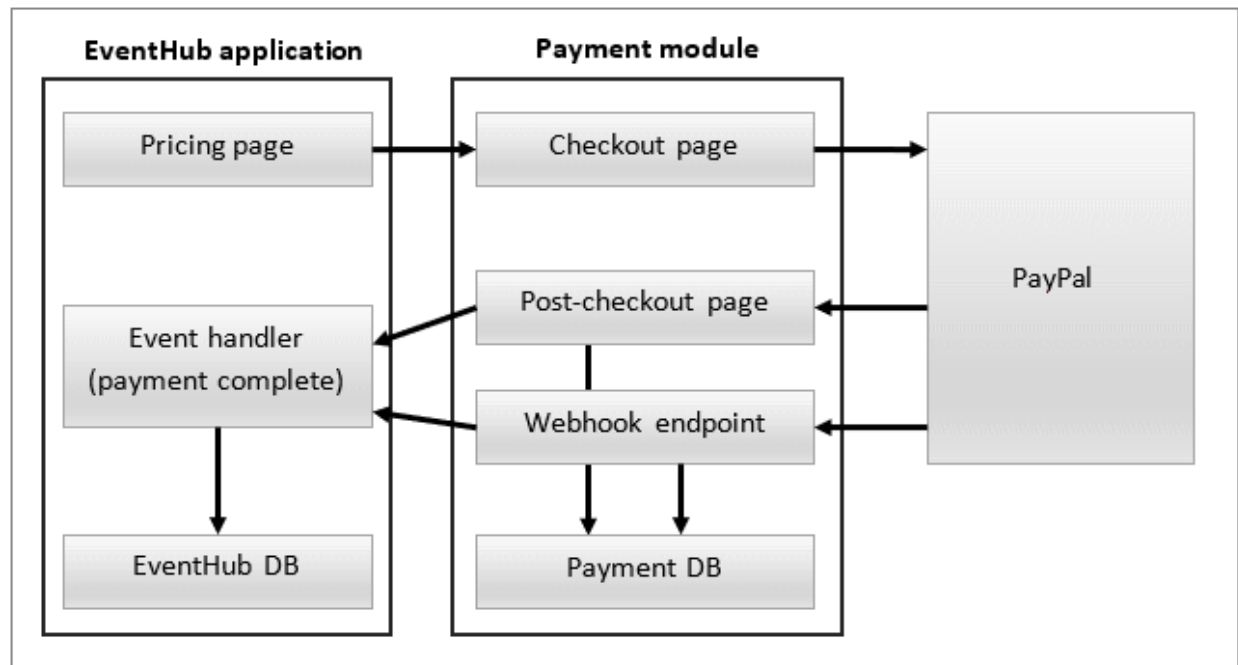
Total price
29.90 USD

[Checkout](#)[Back to pricing](#)

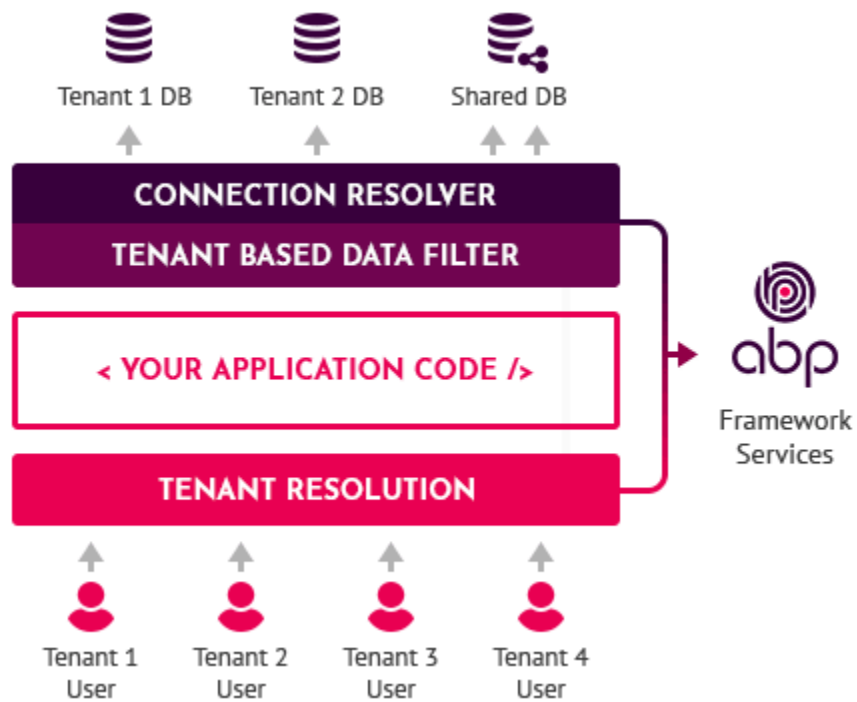
- ▲ 🔒 🌐 **EventHub.Web**
 - ▶ 🔒 🌐 Connected Services
 - ▶ 🔒 📁 Dependencies
 - ▶ 🔒 📁 Properties
 - ▶ 🔒 🌐 wwwroot
 - ▶ 🔒 📁 Components
 - ▶ 🔒 📁 Controllers
 - ▶ 🔒 📁 Helpers
 - ▶ 🔒 📁 Menus
 - ▲ 🔒 📁 Pages
 - ▶ 🔒 📁 Events
 - ▶ 🔒 📁 Organizations
 - ▲ 🔒 📁 Payment

🔒 📄 PostCheckout.cshtml

🔒 📄 PreCheckout.cshtml



Chapter 16: Implementing Multi-Tenancy



Tenants

[Manage Host features](#)[+ New tenant](#)Search **Actions****Tenant name**

↑↓

[Actions](#)

Edit

Features

Delete

acme

volosoft

Features



Setting Management

MyApp

MyApp

☒ Stock management

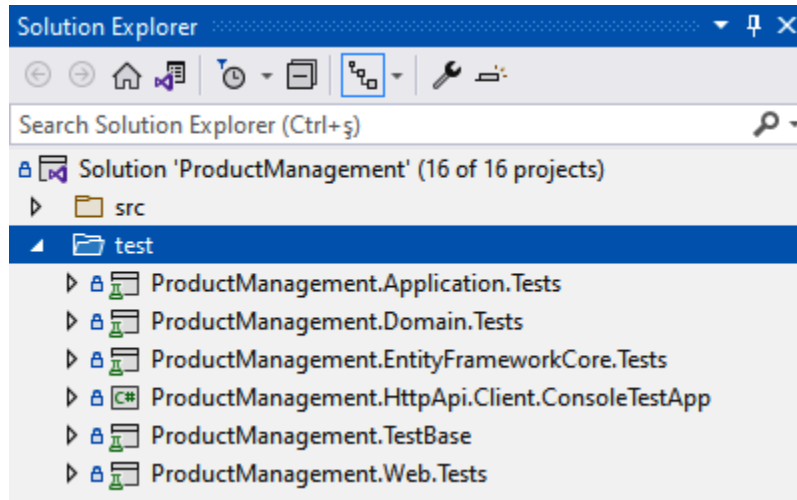
Maximum allowed number of products

199

Cancel

☒ Save

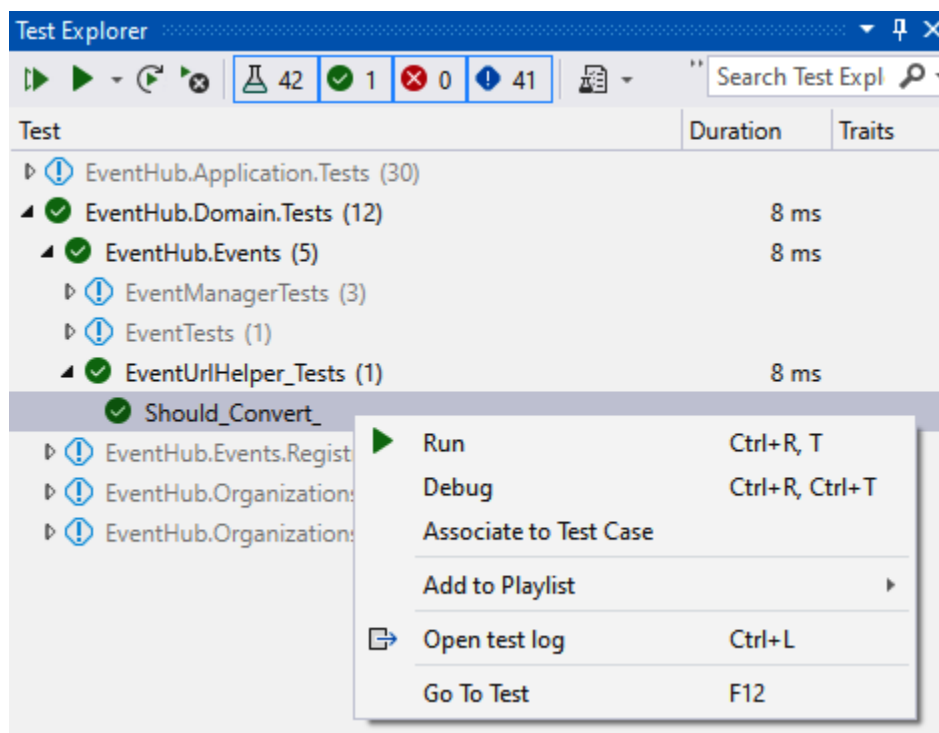
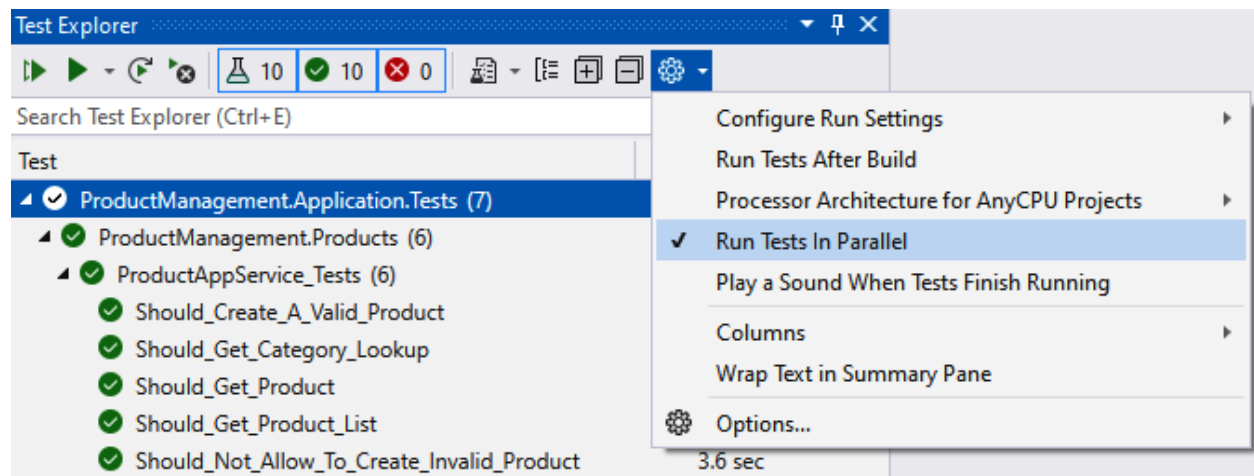
Chapter 17: Building Automated Tests



Test Explorer

Search Test Explorer (Ctrl+E)

Test	Duration	Traits
ProductManagement.Application.Tests (7)	9.2 sec	
ProductManagement.Products (6)	5.3 sec	
ProductAppService.Tests (6)	5.3 sec	
Should_Create_A_Valid_Product	297 ms	
Should_Get_Category_Lookup	390 ms	
Should_Get_Product	457 ms	
Should_Get_Product_List	319 ms	
Should_Not_Allow_To_Create_Invalid_Product	3.6 sec	
Should_Update_Product	290 ms	
ProductManagement.Samples (1)	3.9 sec	
ProductManagement.Domain.Tests (1)	3.3 sec	
ProductManagement.EntityFrameworkCore.Tests (1)	3.3 sec	
ProductManagement.Web.Tests (1)	6.9 sec	



Test Explorer			
<div> <div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>44</div> <div>3</div> <div>0</div> <div>41</div> </div> <div> <div></div> <div></div> <div></div> <div></div> </div> </div> <div>Search Test Explorer (Ctrl+E)</div>			
Test	Duration	Traits	Error
<div> <div></div> <div>EventHub.Application.Tests (30)</div> </div>			
<div> <div></div> <div>EventHub.Domain.Tests (14)</div> </div>	7 ms		
<div> <div></div> <div>EventHub.Events (7)</div> </div>	7 ms		
<div> <div></div> <div>EventManagerTests (3)</div> </div>			
<div> <div></div> <div>EventTests (1)</div> </div>			
<div> <div></div> <div>EventUrlHelper_Tests (3)</div> </div>	7 ms		
<div> <div></div> <div>Should_Convert_Title_To_Proper_Urls (3)</div> </div>	7 ms		
<div> <div></div> <div>Should_Convert_Title_To_Proper_Urls(title: "Blazor: UI Messages...)</div> </div>	< 1 ms		
<div> <div></div> <div>Should_Convert_Title_To_Proper_Urls(title: "Introducing ABP Fr...)</div> </div>	< 1 ms		
<div> <div></div> <div>Should_Convert_Title_To_Proper_Urls(title: "What's new in .NET...)</div> </div>	7 ms		
<div> <div></div> <div>EventHub.Events.Registrations (4)</div> </div>			
<div> <div></div> <div>EventHub.Organizations (2)</div> </div>			
<div> <div></div> <div>EventHub.Organizations.Memberships (1)</div> </div>			