

.NET Conf 2025 - Genova

Le novità in Visual Studio 2026



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Panoramica novità

Visual Studio 2026

Nuovo ciclo di vita

Aggiornamenti più frequenti,
migrazione semplificata

Integrazione con
Copilot e MCP server

Miglioramenti
prestazionali

Nuova Fluent UI

Temi e impostazioni IDE
moderni.
Editor più intelligente,
debugging più semplice.

Code Coverage per
tutti

Supporto rendering file
Mermaid

Formato SLNX

La nuova era delle Solution

Template progetti
Benchmark.NET
integrato

Nato per .NET 10

01 Ciclo di vita



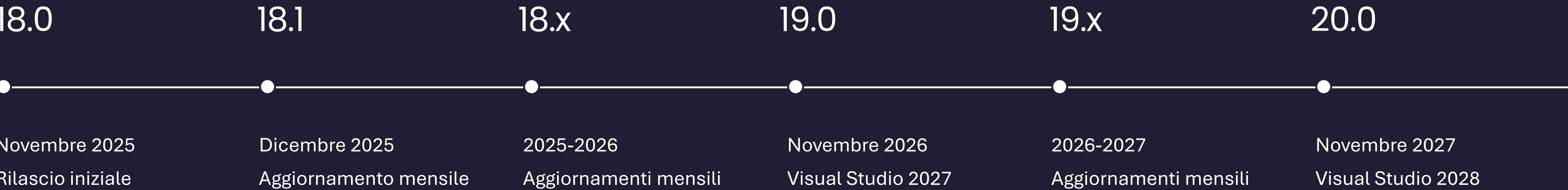
Visual Studio 2022

Ciclo di vita



Visual Studio 2026

Ciclo di vita moderno



SUPPORTO REGOLARE

LTSC

Migrazione semplificata

Install Visual Studio Enterprise 2026

Select how you want to configure Visual Studio. Your new installation will be side-by-side with the previous one. [What happens when I install?](#)

- ☒ Copy workloads, components, and settings from a previous installation

Visual Studio Community 2022

☐ Include components that are marked as out-of-support

☒ Include installed extensions from the Visual Studio Marketplace ⓘ

- ☐ Use a .vsconfig file ⓘ

C:\Users\... \Documents\vsconfig

- ☐ Select workloads and components manually ⓘ

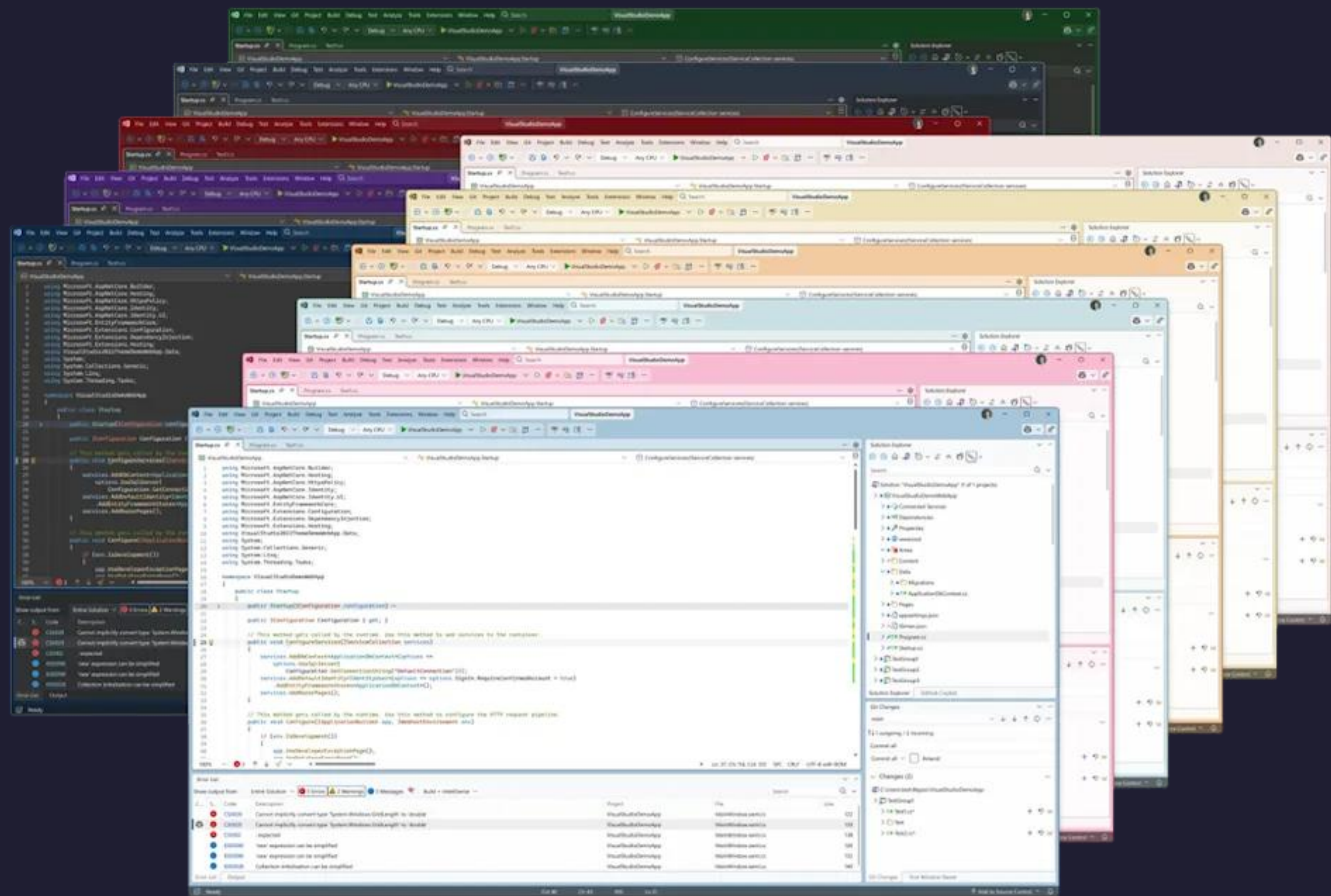
Un IDE nato per .NET 10

02 User eXperience

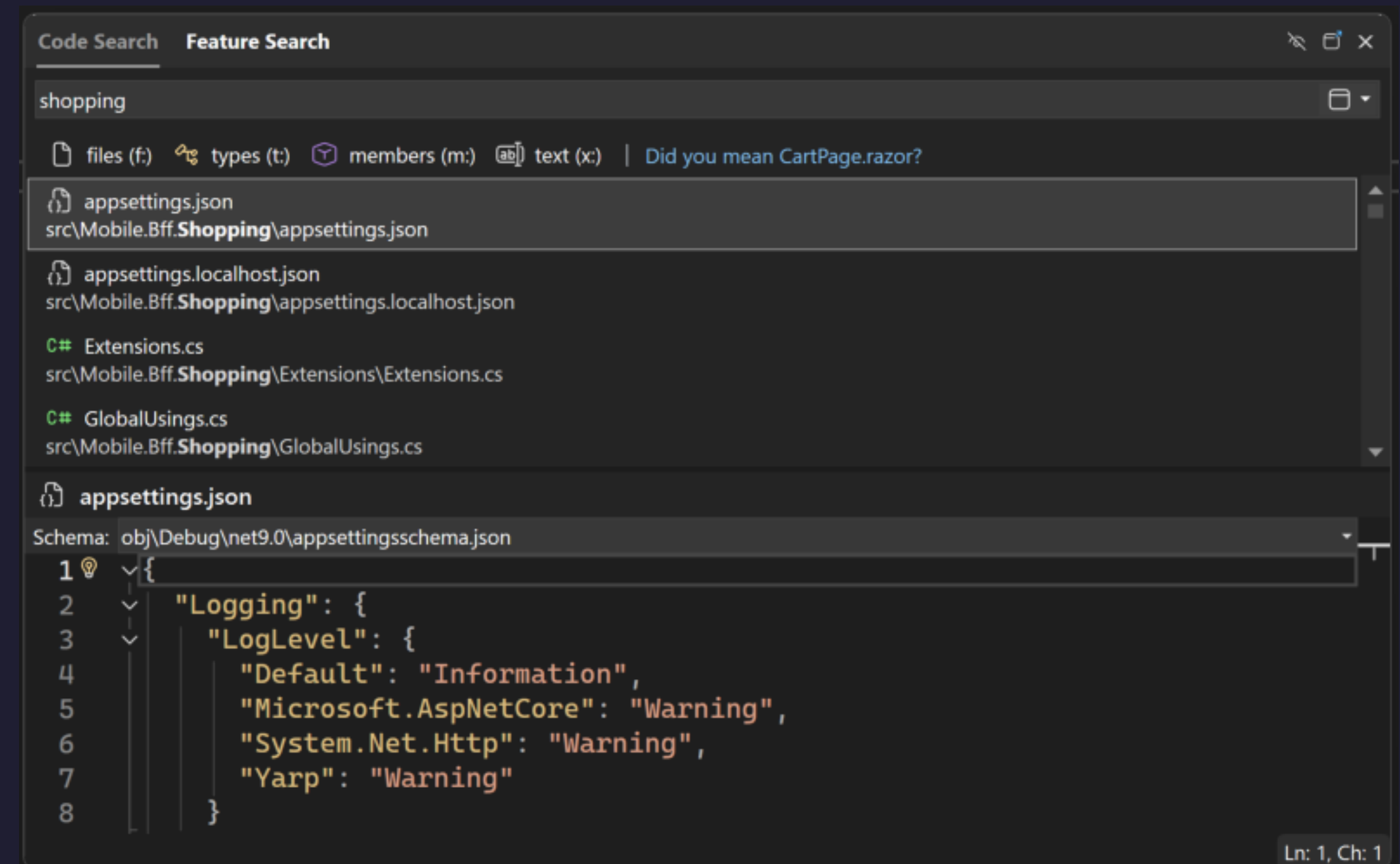
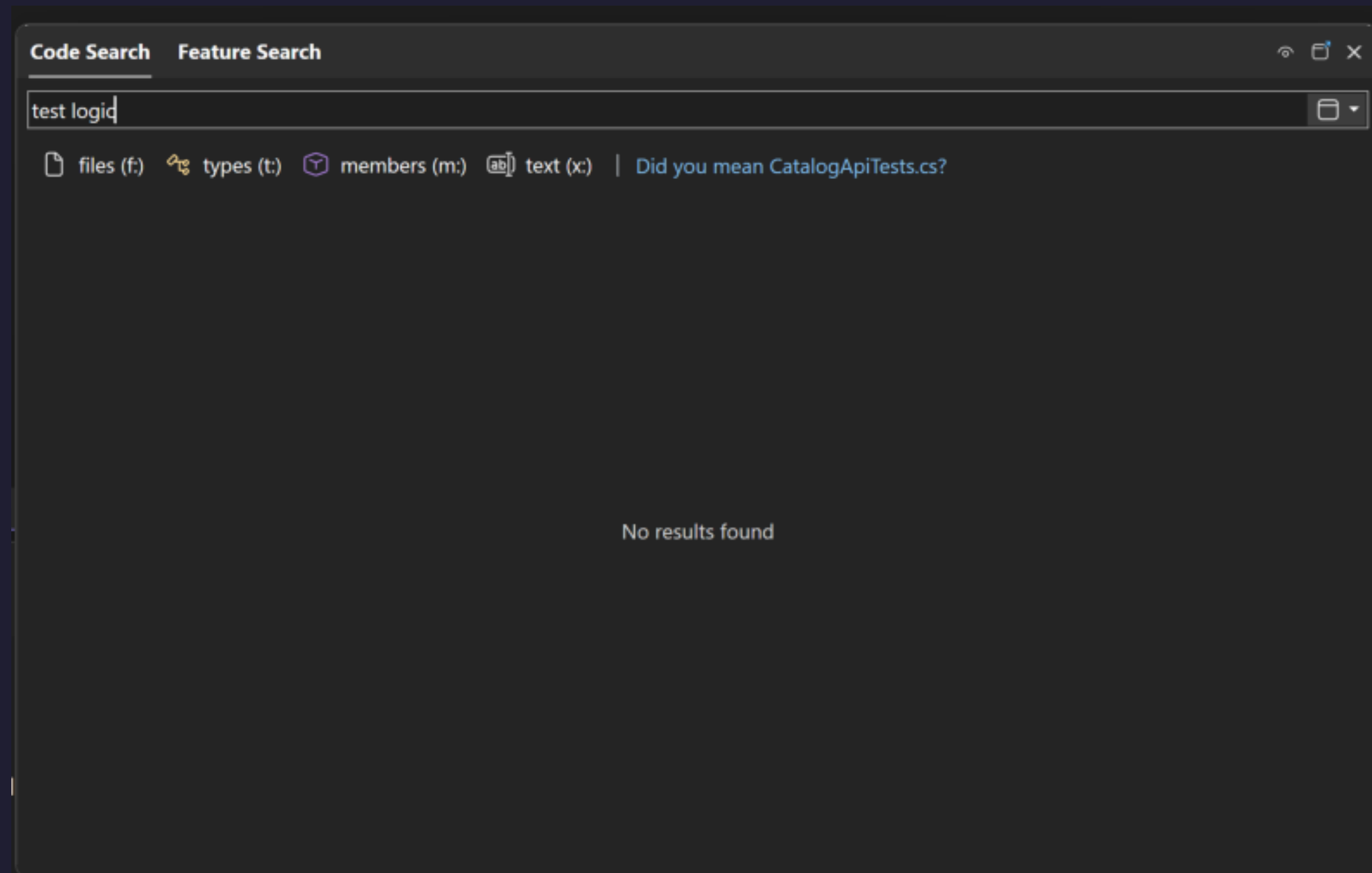


Fluent UI

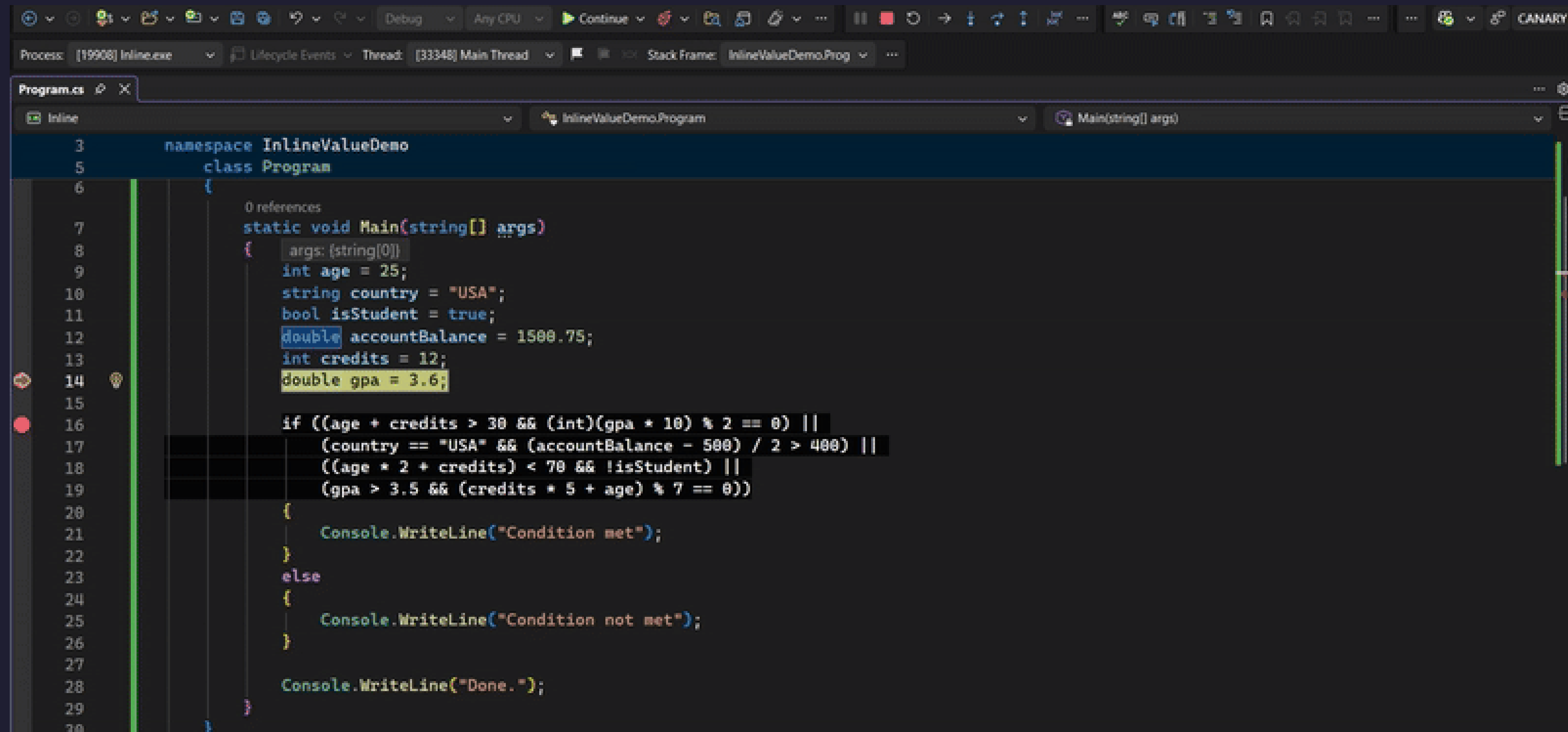
Nuovi temi
personalizzabili



Ricerca intelligente



Debugging semplificato



```
3 namespace InlineValueDemo
5 class Program
6 {
7     0 references
8     static void Main(string[] args)
9     {
10         args: {string[0]}
11         int age = 25;
12         string country = "USA";
13         bool isStudent = true;
14         double accountBalance = 1500.75;
15         int credits = 12;
16         double gpa = 3.6;
17
18         if ((age + credits > 30 && (int)(gpa * 10) % 2 == 0) ||
19             (country == "USA" && (accountBalance - 500) / 2 > 400) ||
20             ((age * 2 + credits) < 70 && !isStudent) ||
21             (gpa > 3.5 && (credits * 5 + age) % 7 == 0))
22         {
23             Console.WriteLine("Condition met");
24         }
25         else
26         {
27             Console.WriteLine("Condition not met");
28         }
29
30         Console.WriteLine("Done.");
31     }
32 }
```

Valori if-else inline

Debugging semplificato

```
static void AnalyzeTemperatures(double[] readings, double min, double max)
{
    Console.WriteLine($"Analyzing {readings.Length} readings...\n");

    for (int i = 0; i < readings.Length; i++)
    {
        double current = readings[i];
        if (current < min || current > max)
        {
            Console.WriteLine($"Reading {i}: {current}°C is out of range!");
        }
        else
        {
            Console.WriteLine($"Reading {i}: {current}°C is normal.");
        }
    }
}
}
```

Variabili e parametri inline

Debugging semplificato

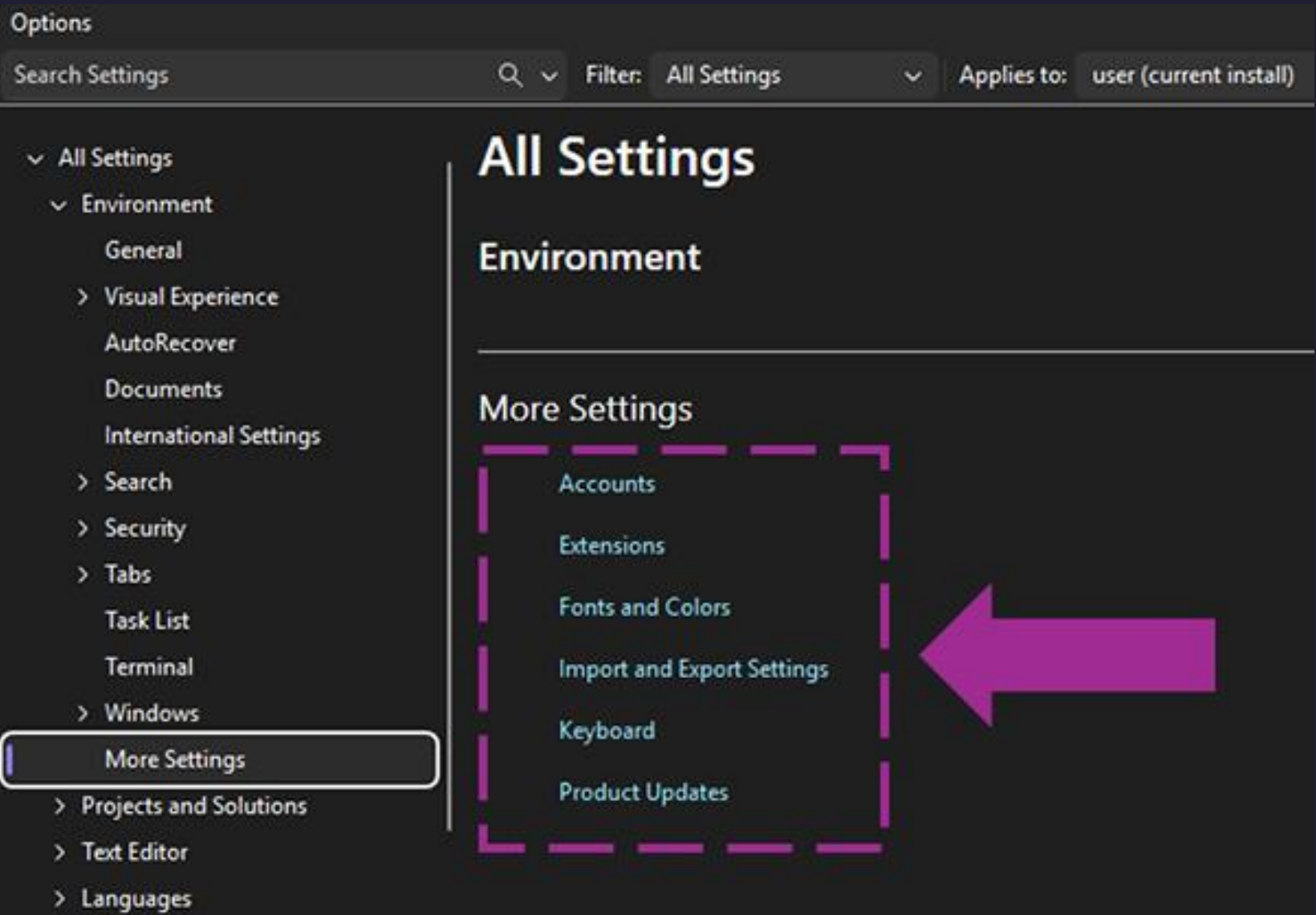
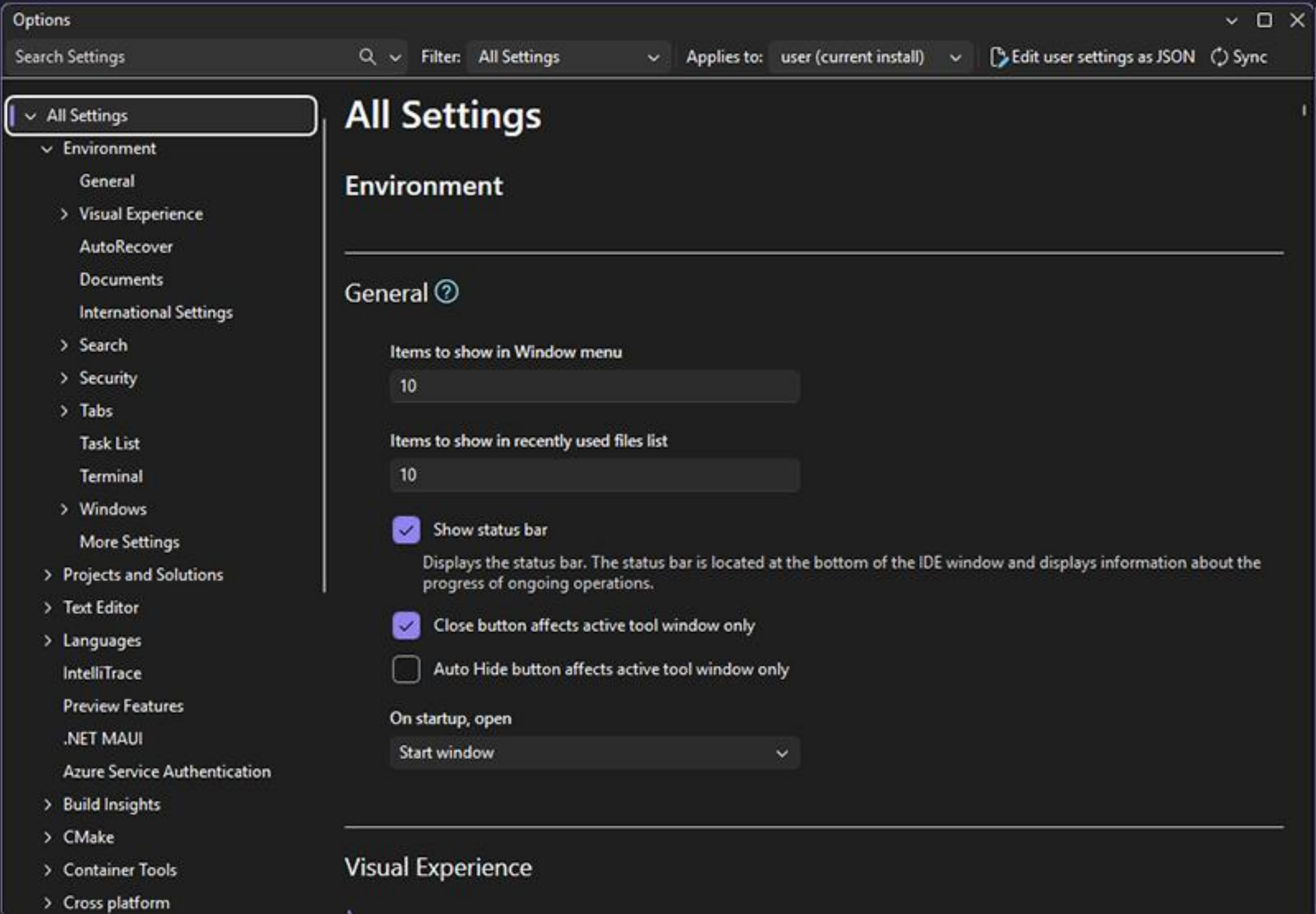
```
20 static void Main()
21 {
22     GetNumber(); GetNumber returned: 10
23
24     Thread t = new Thread(Worker); ≤ 1ms elapsed
25     t.Start();
26
27     t.Join();
28     Console.WriteLine("Main finished");
29 }
```

```
static void Main()
{
    GetNumber(); GetNumber returned: 10
    Thread t = new Thread(
    t.Start();
    t.Join();
    Console.WriteLine("Main finished");
}
```

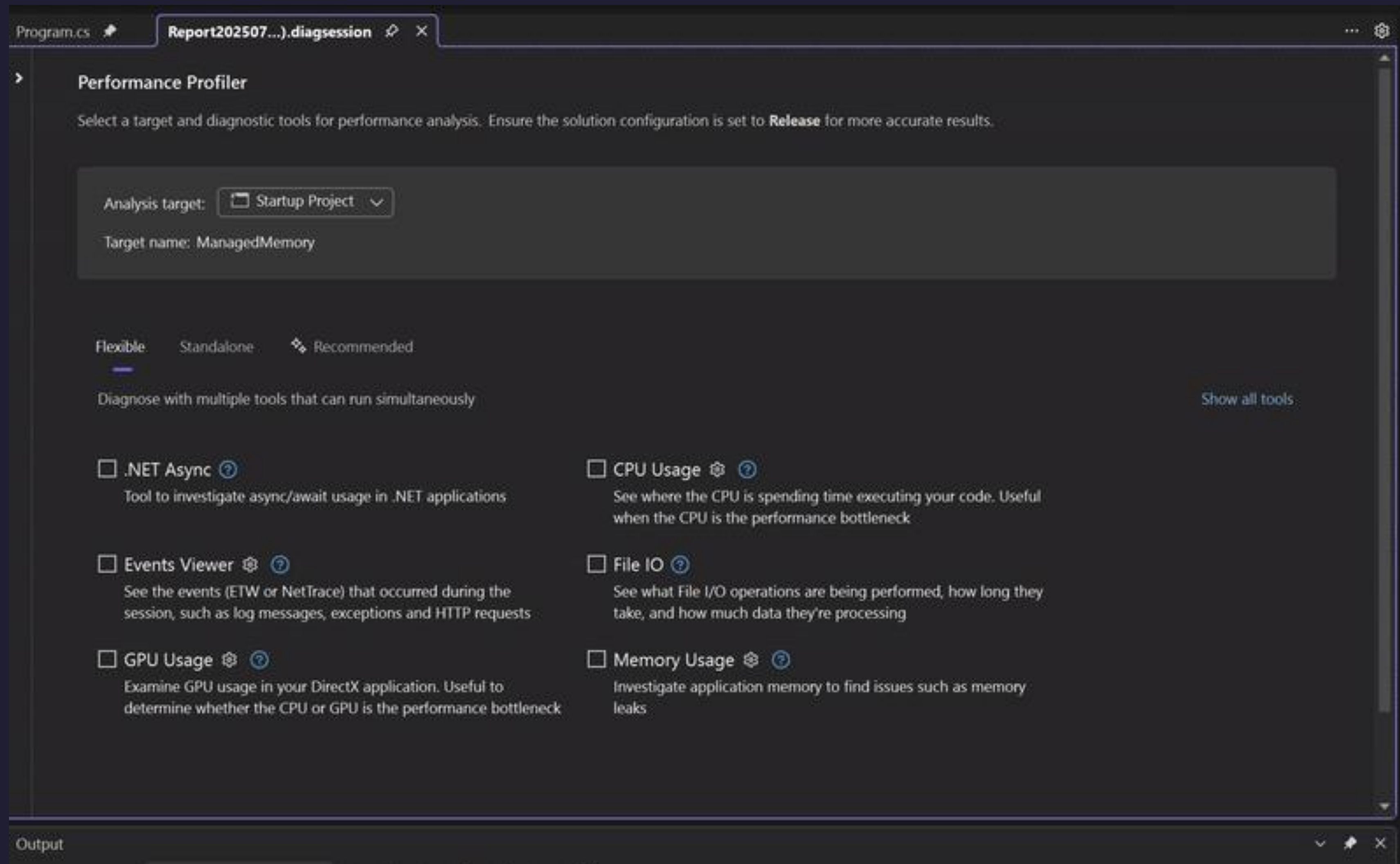
- ✓ Show Inline Values
- ✓ Show Inline Returning Values
- ✓ Show Inline Returned Values

Valori inline post-return

Nuove impostazioni



Nuova esperienza di avvio profiler



Supporto a server MCP integrato

File

Edit

View

Git

Debug

Tools

Extensions

Window

Help

Search

Attach...

MCP Server Manager

Browse

Installed

Search (Ctrl+L)

Context7

Up-to-date code docs for any prompt

1.0.31

DeepWiki

Devin-generated docs for any public repo

1.0.0

Dev Box

This server enables natural language interactions for developer-focused operations like managing Dev Boxes, c...

1.0.0

Dynatrace

Model Context Protocol server for Dynatrace - access logs, events, metrics from Dynatrace via MCP.

1.0.1

Elasticsearch

MCP server for connecting to Elasticsearch data and indices. Supports search queries, mappings, ES|QL, and sh...

1.0.0

Fabric Real-Time Intelligence

Query Eventhouse/ADX with KQL and manage Eventstreams.

1.0.0

Figma MCP Server

The Figma MCP server brings Figma design context directly into your AI workflow.

1.0.3

Firecrawl

Extract web data with Firecrawl

1.0.0

GitHub

Connect AI assistants to GitHub - manage repos, issues, PRs, and workflows through natural language.

0.24.1

Hugging Face

Access Hugging Face models, datasets, Spaces, papers, collections via MCP.

1.0.0

Imagesorcery

Local image processing with computer vision capabilities including object detection, OCR, image editing, and trans...

1.0.0

Intercom

Enable AI agents to securely access and interact with your Intercom data whenever helpful.

0.0.1-seed

JFrog Remote MCP Server

MCP Server for JFrog, providing tools for development and artifact management.

0.1.1

Launchdarkly

Official LaunchDarkly MCP Server for feature flag management and experimentation. Enables AI agents to i...

1.0.0

Logfire

Provides access to OpenTelemetry traces and metrics through Logfire.

1.0.0

Markitdown

Convert various file formats (PDF, Word, Excel, images, audio) to Markdown.

1.0.0

Microsoft Learn

Enables clients like GitHub Copilot and other AI agents to bring trusted and up-to-date information directly from M...

1.0.0

Microsoft MCP Server for Enterprise

Official Microsoft MCP Server to query Microsoft Entra data using natural language

1.0.0

Monday

MCP server for monday.com integration.

0.0.1

Hugging Face

1.0.0

https://github.com/huggingface/hf-mcp-server

GitHub MCP Registry

sse

20/08/2025

Install

Hugging Face Official MCP Server

Welcome to the official Hugging Face MCP Server 🧑🏻. Connect your LLM to the Hugging Face Hub and thousands of Gradio AI Applications.

Installing the MCP Server

Follow the instructions below to get started:

▶ Install in Claude Desktop or claude.ai

▶ Install in Claude Code

▶ Install in Gemini CLI

▶ Install in VSCode

▶ Install in Cursor

Once installed, navigate to <https://huggingface.co/settings/mcp> to configure your Tools and Spaces.

Tip

Add ?no_image_content=true to the URL to remove ImageContent blocks from Gradio Servers.

Built-in Tools

☒ Spaces Semantic Search

Find the best AI Apps via natural language queries

☒ Papers Semantic Search

Find ML Research Papers via natural language queries

☒ Model Search

Search for ML models with filters for task, library, etc...

☒ Dataset Search

Search for datasets with filters for author, tags, etc...

☒ Model Details

Get detailed information about a specific model

☒ Dataset Details

Get detailed information about a specific dataset

Spaces Tools

Run popular AI Spaces from [hf.co/spaces](#) as MCP servers

Search for any Gradio Space

evalstate/flux1_schnell

abidlabs/EasyGhibli

evalstate/shuttle-jaguar

Agents-MCP-Hackathon/meme-context-protocol

evalstate/OmniParser-v2

Quick Guide (Repository Packages)

This repo contains:

• (/mcp) MCP Implementations of Hub API and Search endpoints for integration with MCP Servers.

• (/app) An MCP Server and Web Application for deploying endpoints.

MCP Server

The following transports are supported:

• STDIO

• SSE (To be deprecated, but still commonly deployed).

• StreamableHTTP

• StreamableHTTP in Stateless JSON Mode (StreamableHTTPJson)

The Web Application and HTTP Transports start by default on Port 3000.

SSE and StreamableHTTP services are available at /sse and /mcp respectively. Although though not strictly enforced by the specification this is common convention.

Solution Explorer

Notifications

Error List

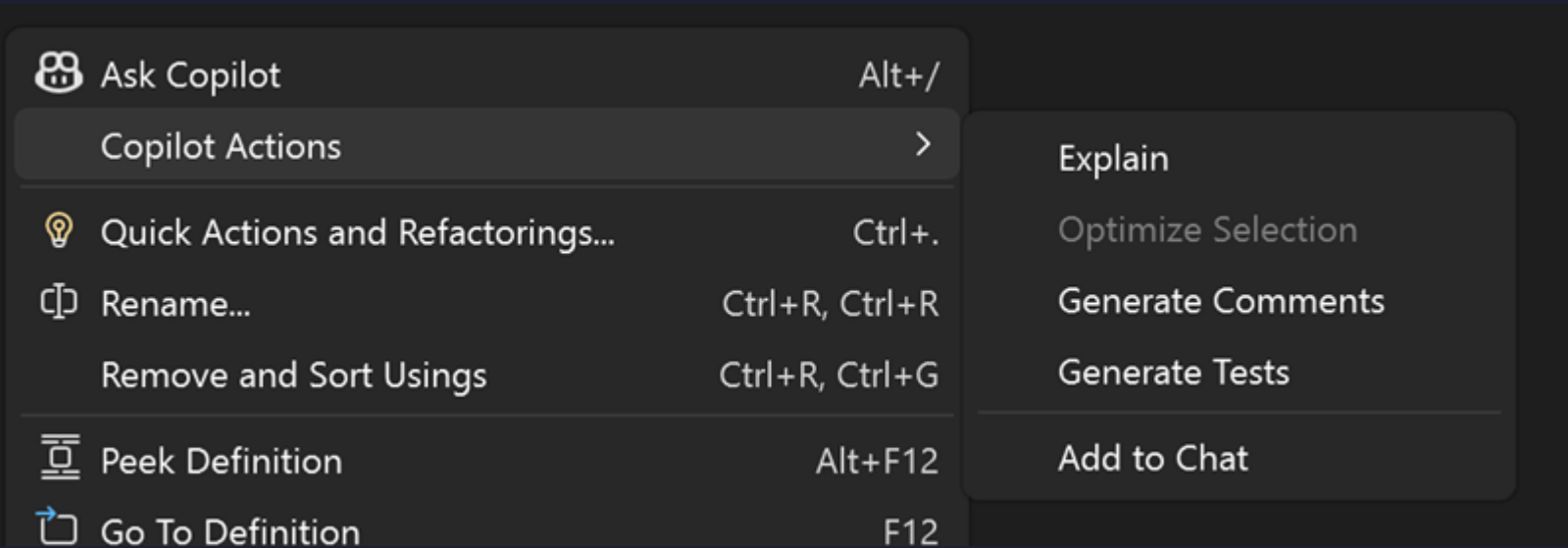
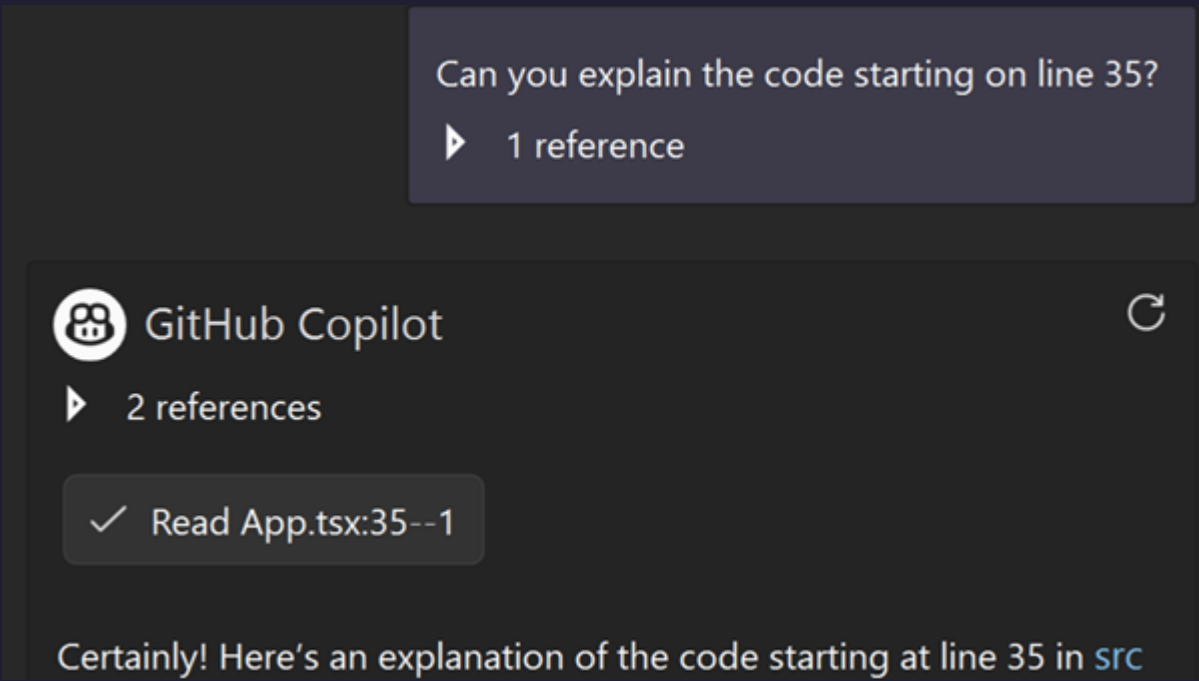
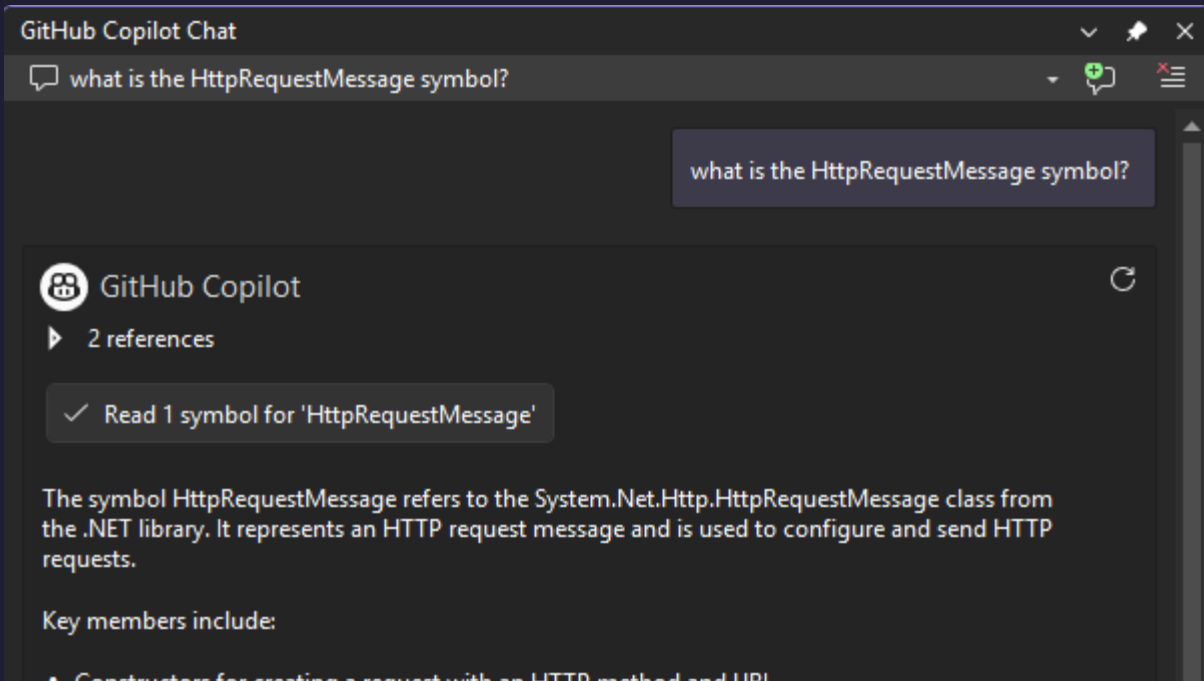
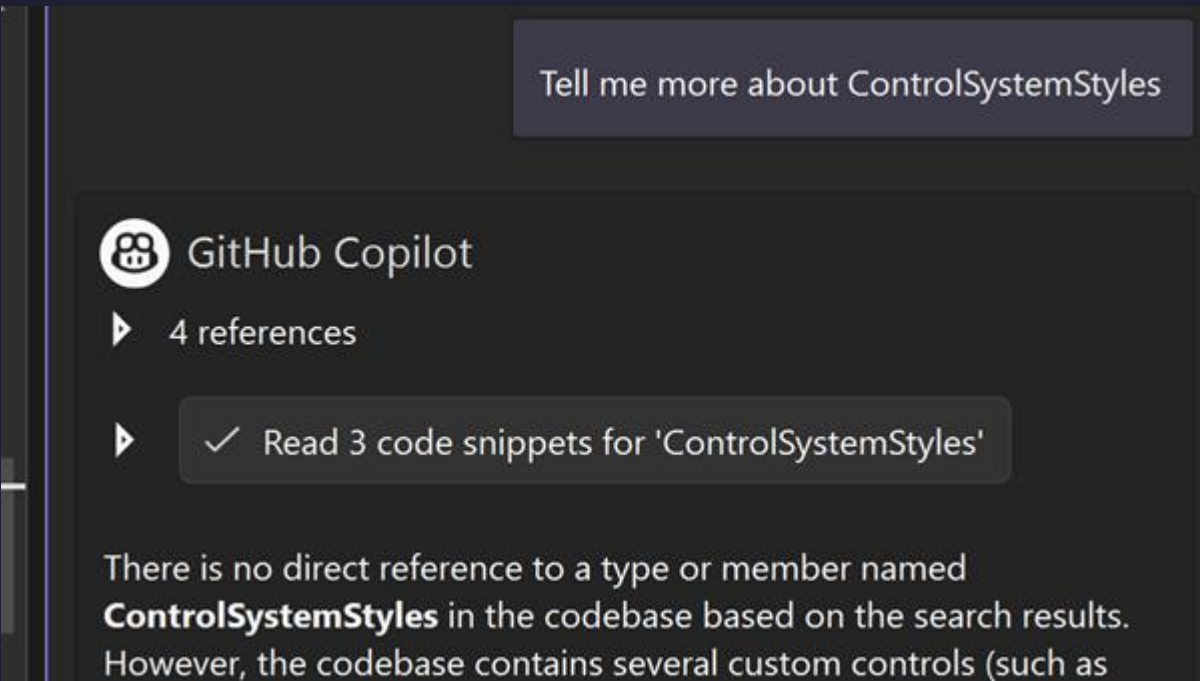
Output

Ready

Select Repository

Copilot sempre più potente

- Ricerca avanzata nel codice
- Ricerca su simboli esterni
- Migliore precisione sui numeri di riga
- Azioni di Copilot direttamente da editor



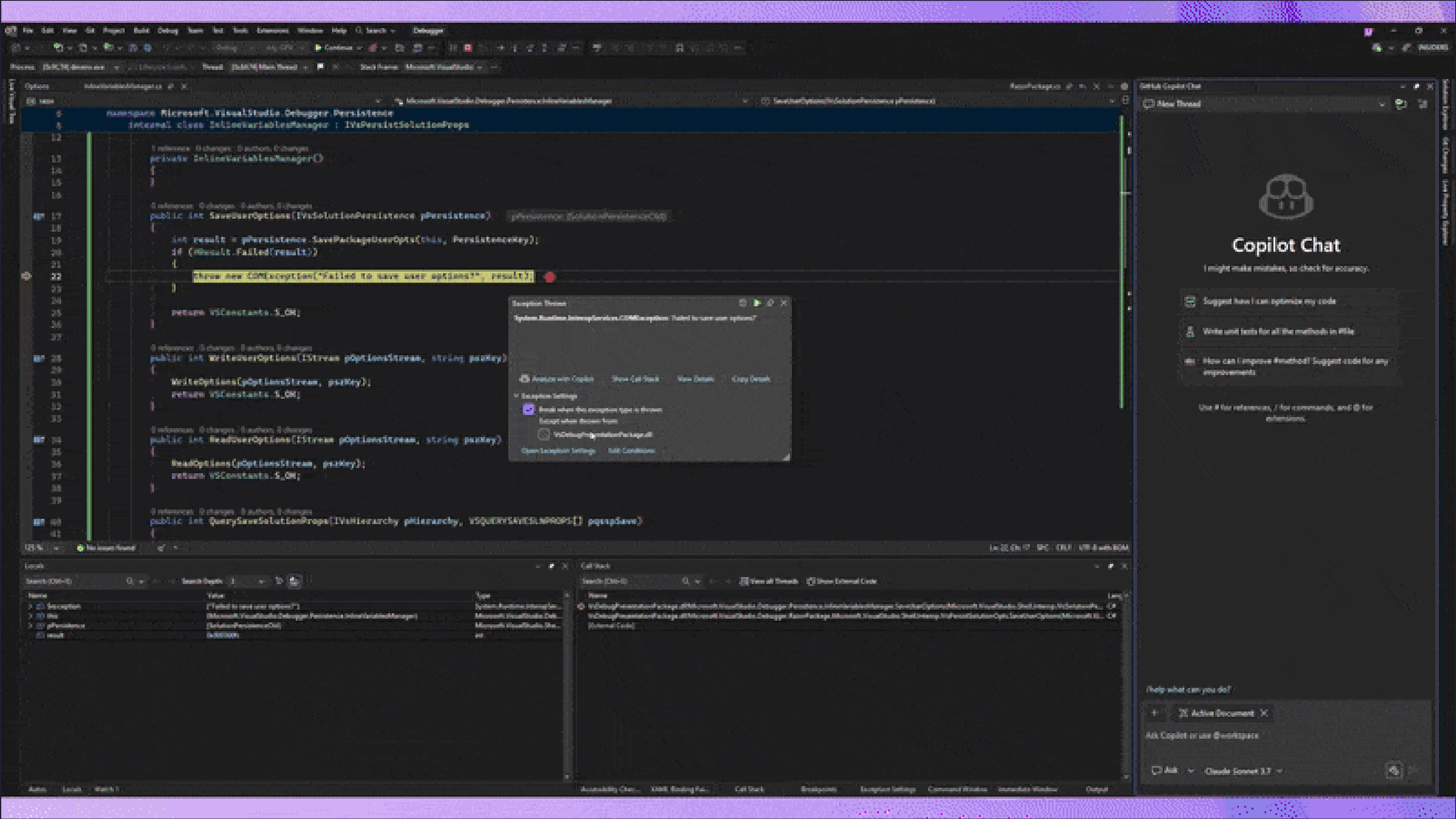
Inoltre...

The screenshot displays the Visual Studio IDE with the following components:

- Copilot Chat (Left Panel):** Features the Copilot logo and a chat interface with prompts such as "I might make mistakes, so check for accuracy.", "Explain how the code in #class works:", "Write unit tests for all the methods in #file", "How can I improve #method? Suggest code for any improvements", and "Use # for references, / for commands, and @ for extensions.".
- Code Editor (Center):** Shows a C# file named `Tests.cs` within the `UnitTestProject` namespace. The code includes several test methods: `VerifyCompoundInterestCalculation()`, `VerifyAddressSerializationDeserialization()`, `VerifyProductListInitialization()`, `VerifyProductListInitialization2()`, and `VerifyProductListInitialization3()`. A red squiggly line indicates a failure in the `VerifyAddressSerializationDeserialization()` method at line 21, where `Assert.AreEqual` is used to compare two addresses.
- Test Explorer (Right Panel):** Displays the test results for the run. It shows a table with columns for Test, Duration, and Traits. The tests listed are `VariableAnalysisTests` (1.6 sec), `UnitTestProject` (1.6 sec), and `Tests` (1.6 sec). The `VerifyAddressSerializationDeser...` test is highlighted with a red icon, indicating a failure. Below the table, the "Test Detail Summary" for the failed test is shown, including the source file (`Tests.cs`), line number (17), duration (28 ms), and the error message: "Assert.AreEqual failed. Expected: <Variat".

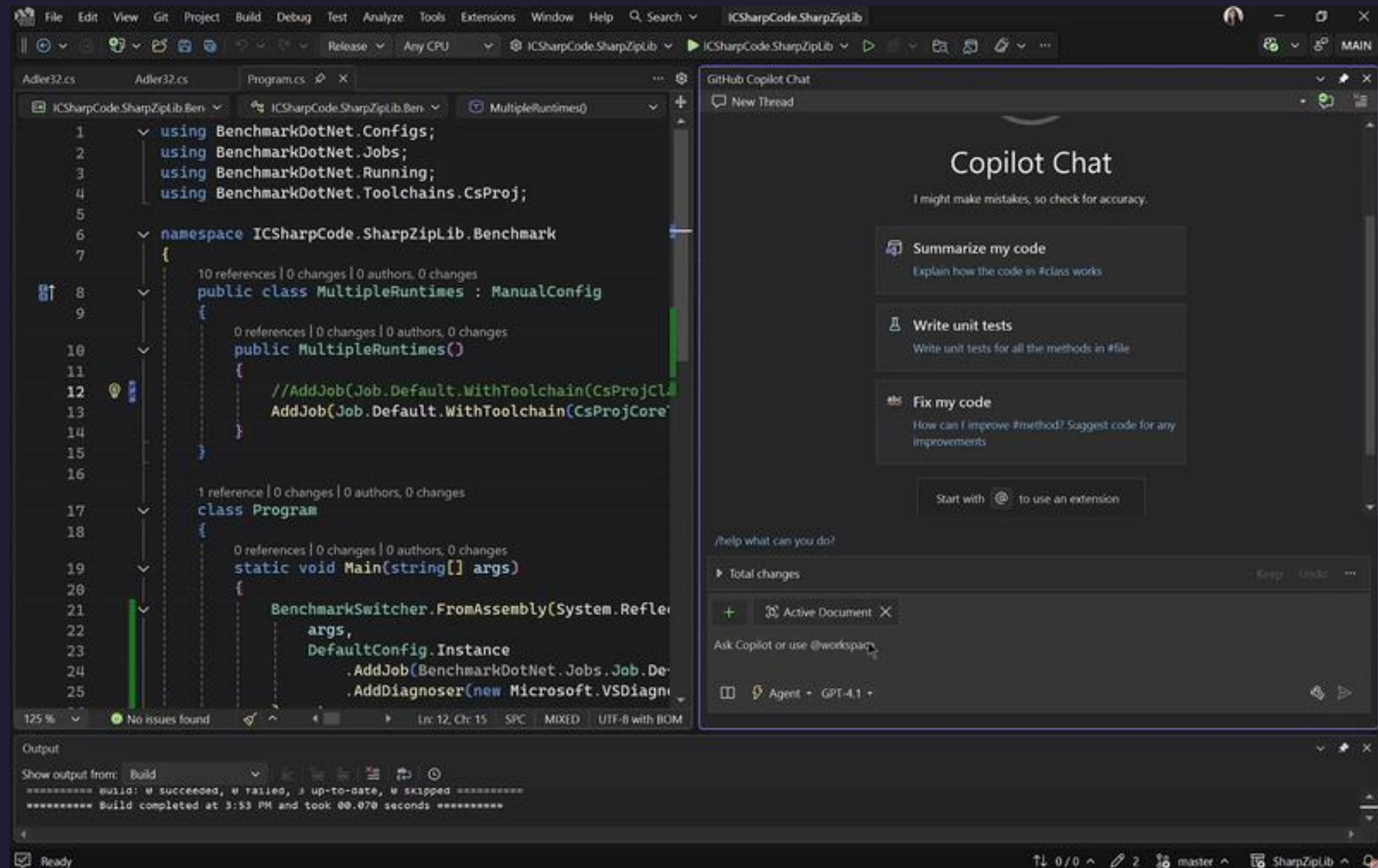
Agent Debugging test unitari

Inoltre...



Analisi avanzata eccezioni

Inoltre...



Profiler agent

FileEditViewGitProjectBuildDebugTestAnalyzeToolsExtensionsWindowHelpSearcheshopOnWeb

DebugAny CPUWebIIS Express

PR Diff - Program.cs

MAIN

OrderHistory.razorHostExtensions.csProgram.cs

Pull Request 2File 7 of 71 comment (15 total)

WebProgram<top-level-statements-entry-point>

115builder.Services.AddDatabaseDeveloperPageExceptionFilter();

116

117var app = builder.Build();

118

119app.Logger.LogInformation("App created...");

120

121app.Logger.LogInformation("Seeding Database...");

122

123await app.SeedDatabaseAsync();

124

125var catalogBaseUrl = builder.Configuration.GetValue(typeof(string), "CatalogBaseUrl") as string;

126if (!string.IsNullOrEmpty(catalogBaseUrl))

127{

128app.Use((context, next) =>

129{

130context.Request.PathBase = new PathString(catalogBaseUrl);

131return next();

132});

133}

134

135app.UseHealthChecks("/health",

136new HealthCheckOptions

137{

138ResponseWriter = async (context, report) =>

Comment 1 of 1 (15 total)Active

leah174:06 PM

Great, this refactor makes the seeding logic more testable—might be a good time to think about what tests would be useful here.

Reply...

100 %No issues found

Ln: 124, Ch: 1SPCLFUTF-8 with BOM

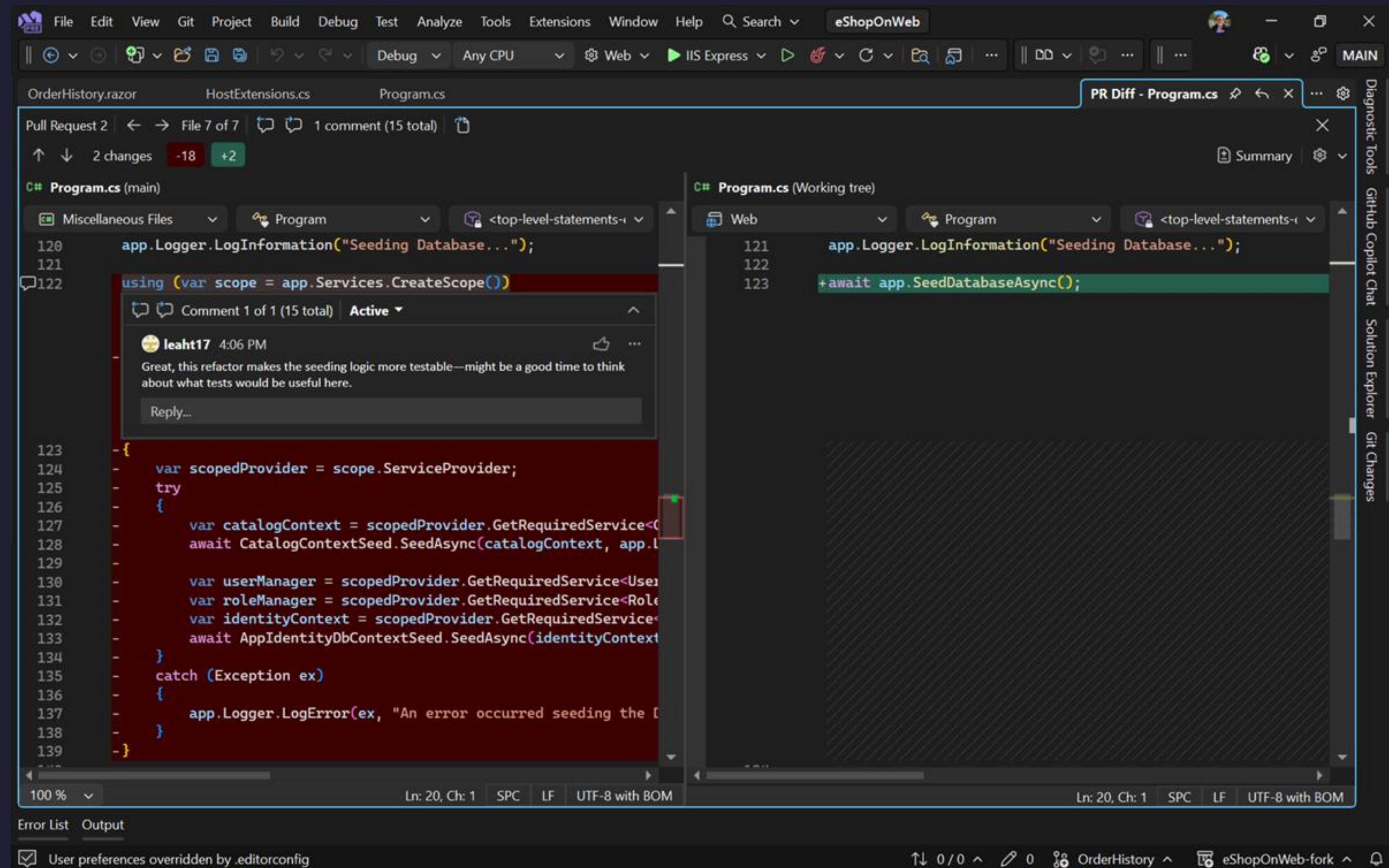
Error ListOutput

User preferences overridden by .editorconfig

0 / 00OrderHistoryeshopOnWeb-fork

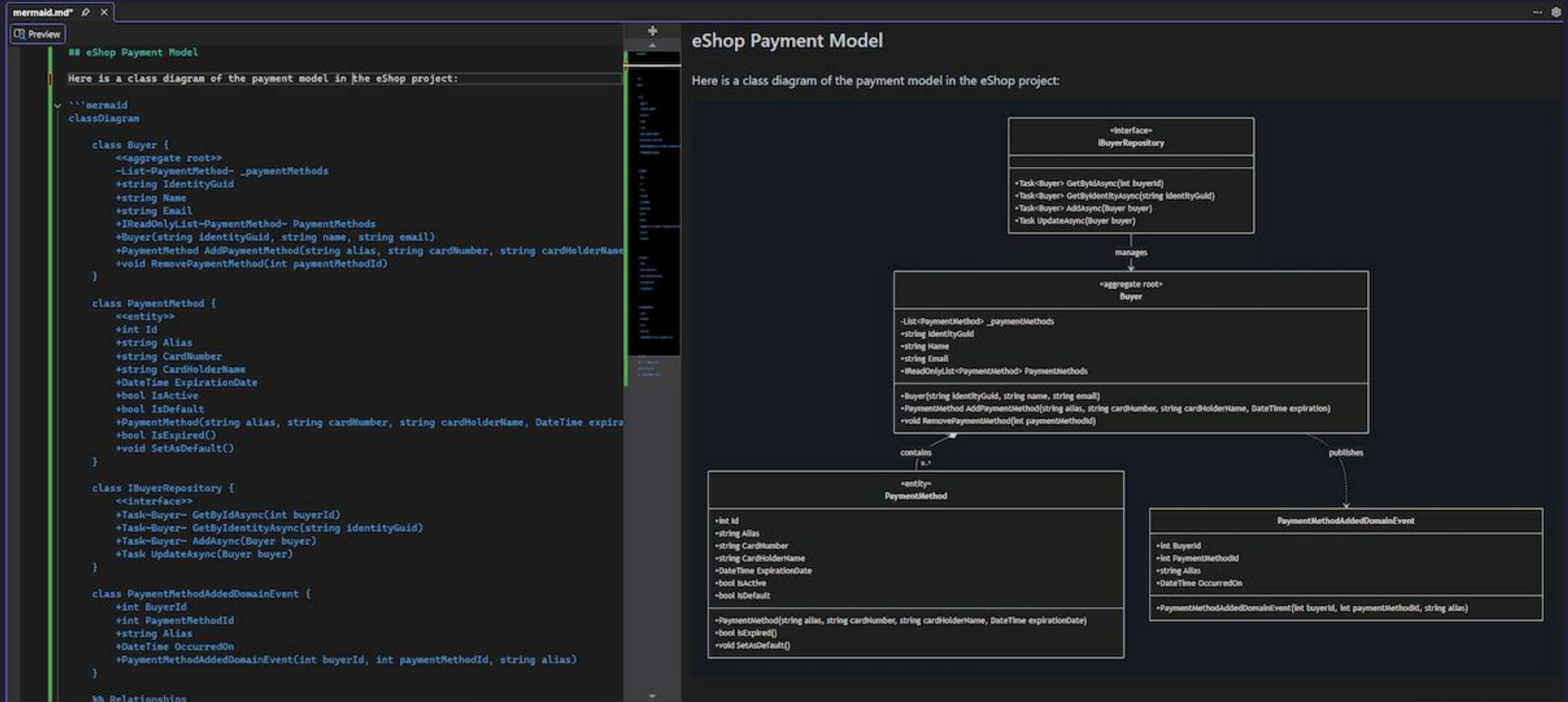
Commenti pull request inline

Git



Commenti in modalità diff-view

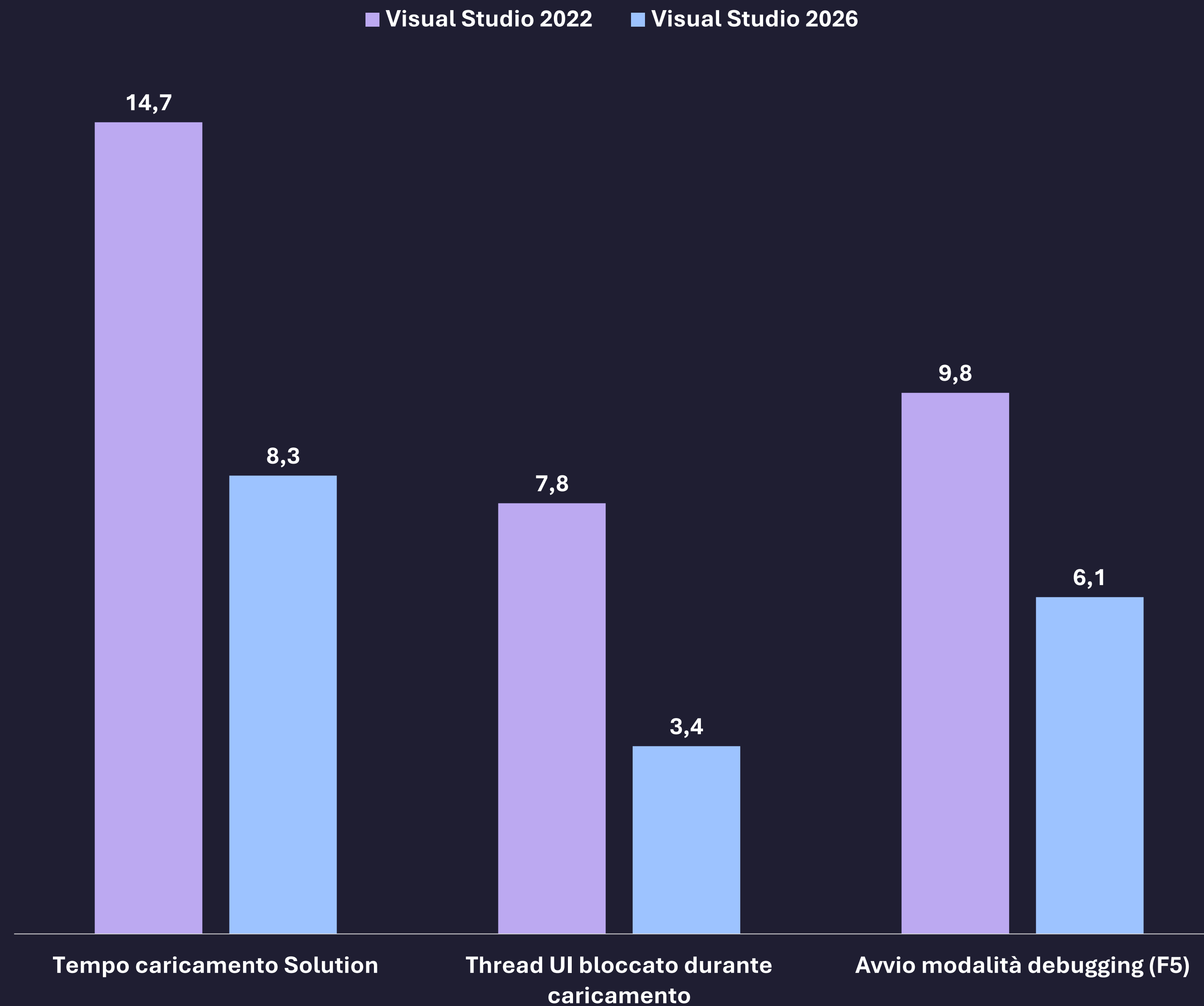
Rendering file Mermaid



03 Prestazioni



Confronto prestazioni



04 Formato SLNX



```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio Version 17
VisualStudioVersion = 17.9.34511.98
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "DotNetMonitorWebApp",
"DotNetMonitorWebApp\DotNetMonitorWebApp.csproj", "{1385B389-B20C-4D19-8FE0-85629BC41343}"
EndProject
Global
GlobalSection(SolutionConfigurationPlatforms) = preSolution
Debug|Any CPU = Debug|Any CPU
Release|Any CPU = Release|Any CPU
EndGlobalSection
GlobalSection(ProjectConfigurationPlatforms) = postSolution
{1385B389-B20C-4D19-8FE0-85629BC41343}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
{1385B389-B20C-4D19-8FE0-85629BC41343}.Debug|Any CPU.Build.0 = Debug|Any CPU
{1385B389-B20C-4D19-8FE0-85629BC41343}.Release|Any CPU.ActiveCfg = Release|Any CPU
{1385B389-B20C-4D19-8FE0-85629BC41343}.Release|Any CPU.Build.0 = Release|Any CPU
EndGlobalSection
GlobalSection(SolutionProperties) = preSolution
HideSolutionNode = FALSE
EndGlobalSection
GlobalSection(ExtensibilityGlobals) = postSolution
SolutionGuid = {C12E911E-FAA3-4ACE-B6BF-C3605E866483}
EndGlobalSection
EndGlobal
```

```
<Solution>  
<Project Path="DotNetMonitorWebApp\DotNetMonitorWebApp.csproj" />  
</Solution>
```

Demo

05 Code Coverage



Disponibile per tutte le versioni di Visual Studio 2026!

UnitTest1.cs Class1.cs

MathTests MathTests.UnitTest1 RooterTestNegativeInput()

22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48

```
[TestMethod]
0 references
public void RooterValueRange()
{
    // Create an instance to test.
    Rooter rooter = new Rooter();

    // Try a range of values.
    for (double expected = 1e-8; expected < 1e+8; expected *= 3.2)
    {
        RooterOneValue(rooter, expected);
    }
}

1 reference | 1/1 passing
private void RooterOneValue(Rooter rooter, double expectedResult)
{
    double input = expectedResult * expectedResult;
    double actualResult = rooter.SquareRoot(input);
    Assert.AreEqual(expectedResult, actualResult, delta: expectedResult / 1000);
}

[TestMethod]
0 references
public void RooterTestNegativeInput()
{
    Rooter rooter = new Rooter();
    Assert.ThrowsException<ArgumentOutOfRangeException>(() => rooter.SquareRoot(-1));
}
```

100 % No issues found

Ln: 46 Ch: 10 SPC CRLF

Code Coverage Results

SURFACE_2023-12-05.13_17.coverage

Search

Hierarchy	Covered (Blocks)	Not Covered (Blocks)	Covered (Lines)	Partially Covered (Lines)	Not Covered (Lines)
SURFACE_2023-12-05.13_17_07.coverage	27	1	36	1	0
mymath.dll	9	0	13	0	0
MyMath	9	0	13	0	0
Rooter	9	0	13	0	0
SquareRoot(double)	9	0	13	0	0
mathtests.dll	18	1	23	1	0
MathTests	18	1	23	1	0
UnitTest1	17	0	23	0	0
BasicRooterTest()	4	0	7	0	0
RooterValueRange()	6	0	7	0	0

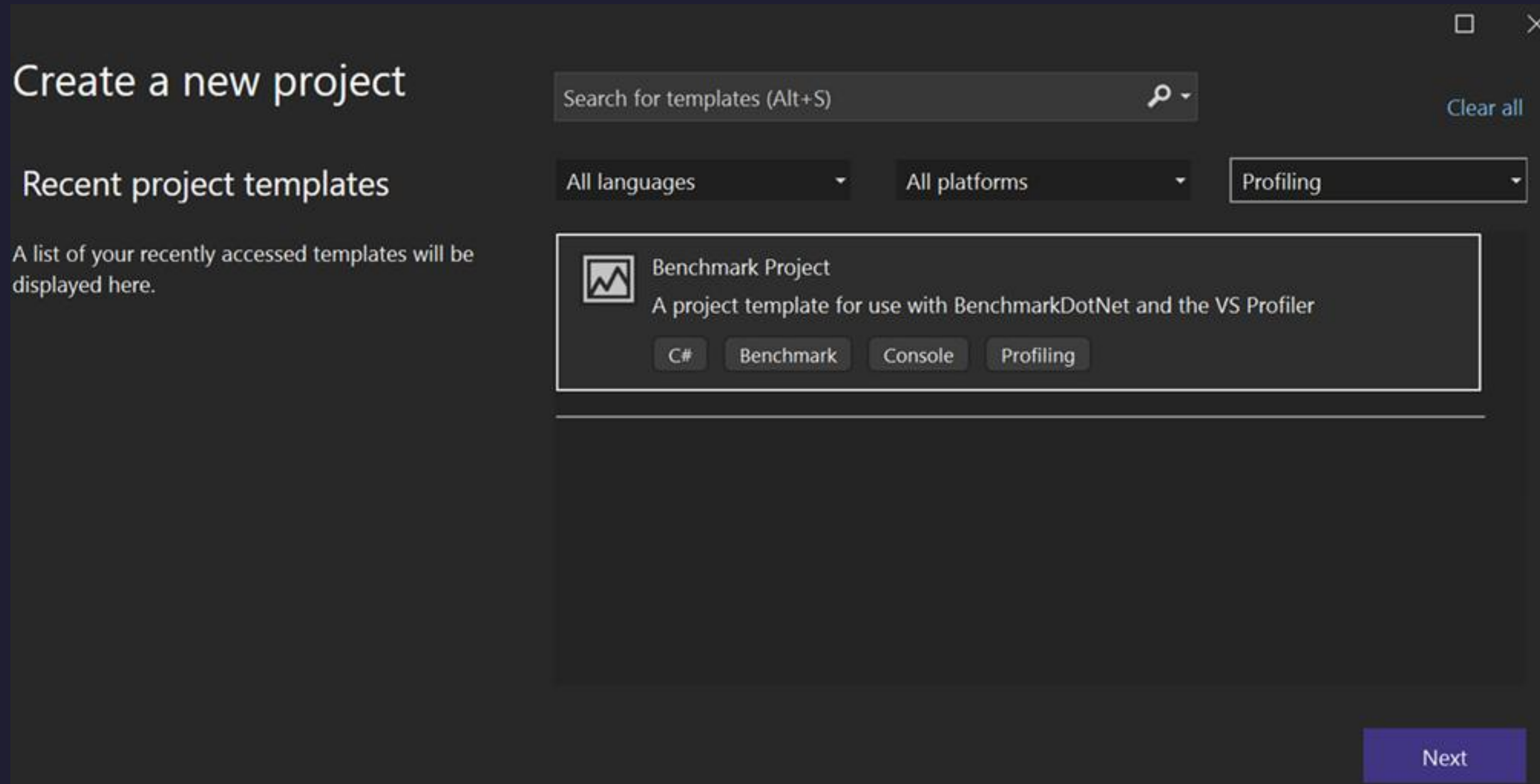
Error List ... Output Code Coverage Results

Demo

06 Template Benchmark.NET



Benchmark.NET a portata di “dito”



Demo

Grazie per l'attenzione!

