Blazor tutti i gusti più uno

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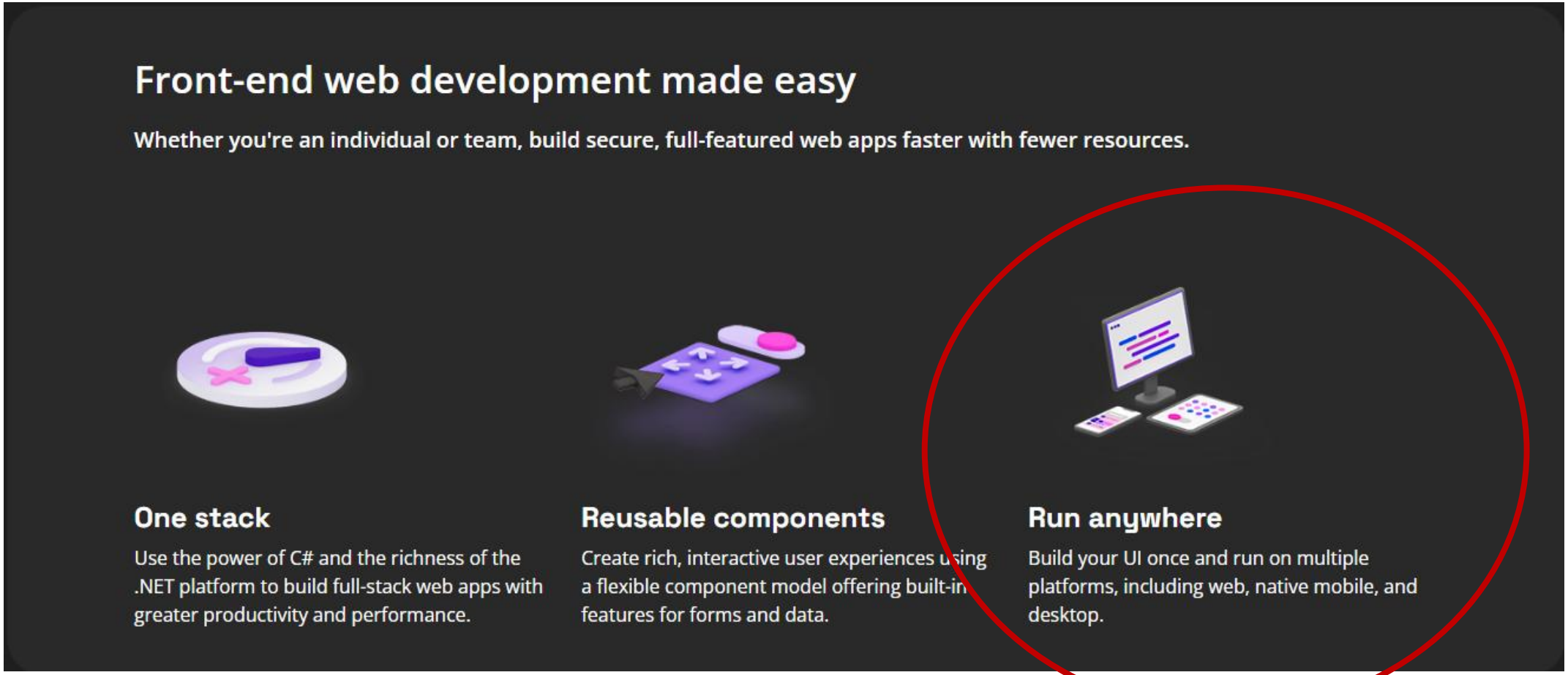
Tutti i gusti più uno



Tutti i gusti per davvero...


Blazor Web App
A project template for creating a Blazor web app that supports both server-side rendering and client interactivity. This template can be used for web apps with rich dynamic user interfaces (UIs).
C# Linux macOS Windows Blazor Cloud Web
Blazor Server App
A project template for creating a Blazor server app that runs server-side inside an ASP.NET Core app and handles user interactions over a SignalR connection. This template can be used for web apps with rich dynamic user interfaces (UIs).
C# Linux macOS Windows Blazor Cloud Web
Blazor WebAssembly Standalone App
A project template for creating a Blazor app that runs on WebAssembly. This template can be used for web apps with rich dynamic user interfaces (UIs).
C# Linux macOS Windows Blazor Cloud Web
.NET MAUI Blazor Hybrid App
A project for creating a .NET MAUI application for iOS, Android, Mac Catalyst, WinUI, and Tizen using Blazor Hybrid
C# Android Blazor Blazor Hybrid iOS Mac Catalyst macOS MAUI Mobile Tizen Windows
Fluent Blazor Web App
A project template for creating a Blazor web app that supports both server-side rendering and client interactivity. This template can be used for web apps with rich dynamic user interfaces (UIs).
C# Blazor Fluent Web WebAssembly
Fluent Blazor WebAssembly Standalone App
A project template for creating a Blazor app that runs on WebAssembly and uses the Fluent component library. This template can be used for web apps with rich dynamic user interfaces (UIs).
C# Blazor Fluent PWA Web WebAssembly
.NET MAUI Blazor Hybrid and Web App
A multi-project app for creating a .NET MAUI Blazor Hybrid application with a Blazor Web project with a shared user interface.
C# Android Blazor Blazor Hybrid iOS Mac Catalyst macOS MAUI Mobile Tizen Windows

.NET MAUI Blazor Hybrid & Web App

Tutti insieme appassionatamente

Un progetto .NET MAUI

Un progetto Blazor Web App con Interactivity a scelta (Server / WebAssembly / Auto)

Una Razor Class Library che contiene l'applicazione Blazor condivisa tra il progetto MAUI e il progetto Blazor Web App

Demo

Demo
.NET MAUI Blazor Hybrid

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Non solo ASP.NET Core

E se…volessi usare Blazor in una console?

```
> dotnet new console -n MiaConsoleApp
```

```
<Project Sdk="Microsoft.NET.Sdk.Razor">

  <PropertyGroup>
    <OutputType>Exe</OutputType>
    <TargetFramework>net9.0</TargetFramework>
    <ImplicitUsings>enable</ImplicitUsings>
    <Nullable>enable</Nullable>
  </PropertyGroup>
```

```
> dotnet add package Microsoft.AspNetCore.Components.Web
```

HtmlRenderer FTW

```
var loggerFactory = serviceProvider.GetRequiredService<ILoggerFactory>();
await using var htmlRenderer = new HtmlRenderer(serviceProvider, loggerFactory);

var html = await htmlRenderer.Dispatcher.InvokeAsync(async () =>
{
    var parametersDictionary = new Dictionary<string, object>
    {
        [nameof(TalkConfirmed.Model)] = new TalkConfirmed.Emailodel(talkTitle, eventName, eventLocation, eventDate)
    };

    var parameters = ParameterView.FromDictionary(parametersDictionary!);
    var output = await htmlRenderer.RenderComponentAsync<TalkConfirmed>(parameters);

    return output.ToHtmlString();
});
```

Demo

Demo
Console Application

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A long time ago, in .NET 6 RC 1...

Blazor custom elements

Experimental support is also now available for building custom elements with Blazor using the Microsoft.AspNetCore.Components.CustomElements NuGet package. Custom elements use standard HTML interfaces to implement custom HTML elements.

To create a custom element using Blazor, register a Blazor root component as custom elements like this:

```
options.RootComponents.RegisterAsCustomElement<Counter>("my-counter");
```

You can then use this custom element with any other web framework you'd like. For example, here's how you would use this Blazor counter custom element in a React app:

```
<my-counter increment-amount={incrementAmount}></my-counter>
```

See the Blazor Custom Elements sample project for a complete example of how to create custom elements with Blazor.

This feature is experimental because we're still working out some of the details for how best to support custom elements with Blazor. We welcome your feedback on how well this particular approach meets your requirements.

Improvvisamente in .NET 7 preview 6

Blazor custom elements no longer experimental

The previously experimental Microsoft.AspNetCore.Components.CustomElements package for building standards based custom elements with Blazor is no longer experimental and is now part of the .NET 7 release.

To create a custom element using Blazor, register a Blazor root component as a custom element like this:

```
options.RootComponents.RegisterCustomElement<Counter>("my-counter");
```

You can then use this custom element with any other web framework you'd like:

```
<my-counter increment-amount="10"></my-counter>
```

For additional details, refer to the Blazor docs on building custom elements.

Blazor Custom Elements

```
> dotnet add package Microsoft.AspNetCore.Components.CustomElements
```

```
// Blazor WebAssembly
builder.RootComponents.RegisterAsCustomElement<MyComponent>("my-component");

// Blazor Server
builder.Services.AddServerSideBlazor(options ⇒
{
    options.RootComponents.RegisterAsCustomElement<MyComponent>("my-component");
});
```

Includere il file *Microsoft.AspNetCore.Components.CustomElements.lib.module.js*

Demo

Demo
Blazor Custom Elements

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Concludendo

Il nuovo template di .NET MAUI è un **punto di partenza** molto interessante per iniziare a ragionare su applicazioni multi piattaforma

La possibilità di utilizzare Razor Component anche al di fuori del mondo ASP.NET Core apre a scenari interessanti (es. in un mailer service potremmo utilizzare i Razor component come template)

Blazor custom elements permette di integrare parti in Blazor in altre tecnologie. È un approccio molto particolare che va valutato e usato con cognizione, inoltre non esiste molta documentazione

Grazie!

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