

Blazor

1. What is Blazor? *

- ☐ A way to run .NET code on WebAssembly.
- ☐ A native UI framework for building Windows desktop apps.

☒ A modern frontend web framework based on HTML, CSS, and C#

✓ Blazor is a modern frontend web framework based on HTML, CSS, and C#.

- ☐ A type of jacket resembling a suit jacket, but with a more casual cut.

2. What language do you typically use to author Blazor components? *

- ☐ JavaScript
- ☐ XAML
- ☐ Visual Basic

☒ Razor

✓ Blazor components are typically built using Razor, a convenient mixture of HTML and C#.

3. True or False: You can use existing JavaScript libraries with Blazor. *

☒ True

✓ Blazor supports JavaScript interop, which lets you call JavaScript libraries and APIs from your Blazor apps.

- ☐ False

4. Which of the following benefits is not a benefit of using Blazor? *

- ☐ Build web UI fast with reusable components.
- ☐ Support for server and client-side rendering
- ☐ Build the frontend and backend with one development stack.

☒ Minimal download size.

✓ While server-based Blazor apps can load quickly, running .NET code on the client requires downloading a small .NET runtime with the app.

5. Which of the following reasons is valid reason to not use Blazor? *

- ☐ You need to use an existing React component in your web app.
- ☐ You need to host your web app on a cheap static site host, like GitHub Pages.
- ☐ You're not a C# expert.

☒ You need to support older browsers.

✓ Blazor supports all modern browsers, but if you need to support older browsers that don't support modern web platform features, then Blazor may not be the best choice.

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Development with Blazor

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MODULE

Build your first web app with Blazor

🕒 32 min

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1. What do you need to install *at a minimum* to create and run Blazor apps? *

- ☐ Visual Studio
- ☐ Node.js
- ☐ Visual Studio Code

☒ .NET SDK

✓ You only need the .NET SDK to create, build, and run Blazor apps. Tools like Visual Studio and Visual Studio Code can then help you be much more productive.

2. Blazor components are typically authored using what coding language? *

☒ Razor

✓ You typically write Blazor components in Razor, a convenient mixture of HTML and C#.

- ☐ C#
- ☐ JavaScript
- ☐ XAML

3. Razor files are compiled into what C# language feature? *

☐ A C# method

☒ A C# class

✓ Razor files are compiled into C# classes.

☐ A C# property

4. How are Blazor component parameters defined? *

- ☐ Using constructor parameters.
- ☐ Using the @param Razor directive.

☒ Using public properties and the [Parameter] attribute.

✓ Blazor component parameters are defined using public properties and the [Parameter] attribute.

☐ Using HTML attributes.

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🕒 22 min

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