Blazor

WASM (WebAssembly)

- Native C# in browser

- Slow start-up (splash screen)

- Can build as PWA
  - Run offline
  - Can install through app stores

Server

- Use SignalR to stream updates

- High(er) latency

Blank Project Overview

- Structure

- App.razor > MainLayout.razor

Pages

- @page routing
- <PageTitle>
- <HeadContent>
  - <HeadOutlet>

Binding

- One-way binding
- Two-way binding
  - event, get, set, after etc.
- Chained binding
  - Change notifications flow **up** the hierarchy
  - New parameter values flow **down** the hierarchy

Cascading Values

- Bound by **type**
  - Unless name specified in <CascadingValue>

Lifecycle

- When parameters are set (SetParametersAsync)
- **Component initialization (OnInitialized{Async})**
- After parameters are set (OnParametersSet{Async})
- After component render (OnAfterRender{Async})

- StateHasChanged is probably not necessary
  - Re-renders the component
  - If you think you need it, your code is probably wrong
  - https://learn.microsoft.com/en-us/aspnet/core/blazor/components/rendering?view=aspnetcore-7.0#when-to-call-statehaschanged

JavaScript

- Sucks

- Support for interop but don't use
  - Doesn't work with pre-rendering anyway