

Adding Features to the App



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Overview



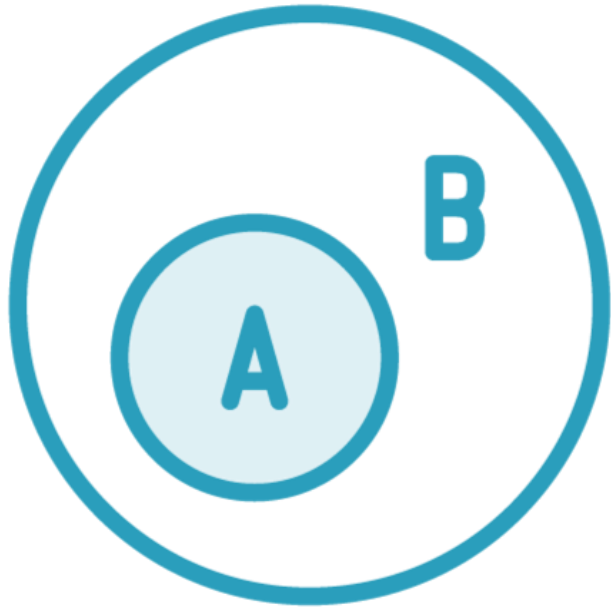
Adding a dialog component

Integrating a JavaScript component



Adding a Dialog Component





Components are building block

- Page
- Dialog

Reuse of functionality

Make large *pages* smaller

Can be nested

In-project or separate library

▲ BethanysPieShopHRM.Server

- ☁ Connected Services
- ▷ 📦 Dependencies
- ▷ 🔧 Properties
- ▷ 🌐 wwwroot
- ▷ 📁 Components
- ▷ 📁 Pages
- ▷ 📁 Services
- ▷ 📁 Shared
- 📄 📄 _Imports.razor
- 📄 📄 App.razor
- ▷ 📄 📄 appsettings.json
- ▷ 📄 📄 Program.cs
- ▷ 📄 📄 Startup.cs

Pages

Shared

Components



```
@using BethanysPieShopHRM.Server.Components
```

```
Using _Imports.razor
```



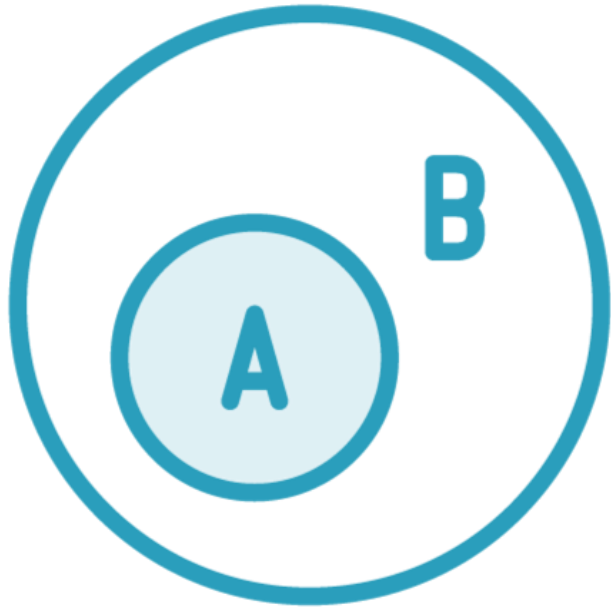
Component Lifecycle Methods

OnInitialized
OnInitializedAsync

OnParametersSet
OnParametersSetAsync

OnAfterRender
OnAfterRenderAsync





Can receive parameters

Event binding for component
communication

Demo



Creating the Add Employee dialog

Adding the component to the
parent page

Component communication



Integrating a JavaScript Component



Blazor apps are just web
pages running on the
server or client.





Not everything is possible via just .NET

JavaScript interop

- Call into JavaScript from Blazor code

Runs on the client

JavaScript Interop

**.NET code calls
into JavaScript**

**JavaScript calls
into .NET code**

**Can be wrapped
in a library**



```
[Inject]
```

```
public IJSRuntime JsRuntime { get; set; }
```

Injecting IJSRuntime



Adding a Script

```
<script>
```

```
    window.DoSomething = () => {
```

```
        //do some interesting task here
```

```
    }
```

```
</script>
```




```
var result = await  
JsRuntime.InvokeAsync<object>("DoSomething", "");
```

Calling into JavaScript



Demo



Adding a map via JavaScript interop



Map component:
<https://aka.ms/blazorworkshop>



Learn more about this in
JavaScript interop in Blazor
by Scott Allen



Summary



Blazor apps are made out of components

Can be reused across projects

Extend Blazor through JS interop





Up next:
Looking at client-side
Blazor

