

2023.03

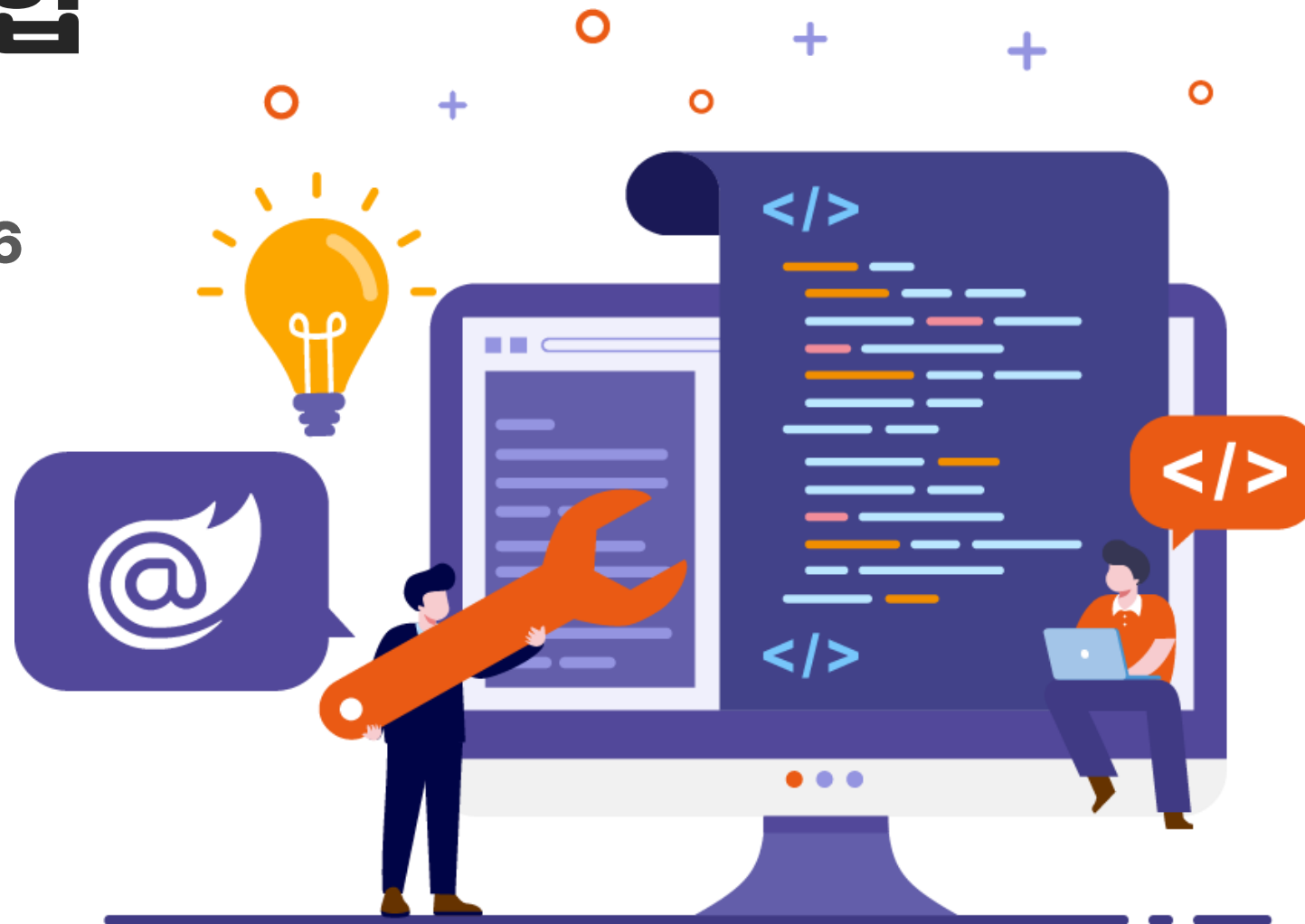
BLAZOR 밋업

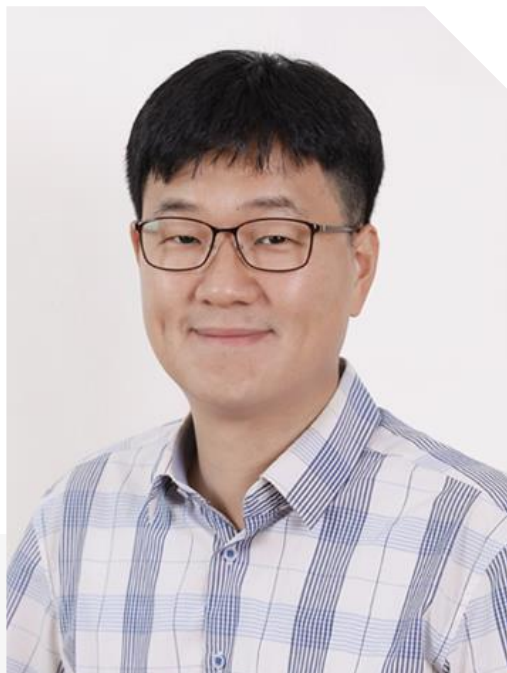
Wi-Fi : Blueport_Edu

PWD : BLUEport#\$56




Sessions

- Follow-up
- EF Core + Power Tools
- 바코드 프린터가 되어야 해!





Speaker

-  김 진석
-  (주)케이에이치시스템즈 대표이사
-  facebook.com/iamjinseok.kr


Session 1

Follow-up

- 2월 밋업 질문
- news
- resource

Session 1 – 2월 밋업의 질문

WASM에서의 TcpClient



Follow

Translate some of the stuff into a Websocket call. Or native apps/etc. But


let.WebSocket stuff #10489 or any others that would be helpful?

ent work around? The smart devices do provide an API so I can go over

javiercn Javier Calvarro Nelson

Committed to this repository in the past week

Member of [.NET Platform](#), and 2 more



Member ...

javiercn commented on May 23, 2020

@hanigan6 I believe you can already use websockets, but I wouldn't expect to be able to use TcpClient or UdpClient since those capabilities are not available in the Browser APIs. Blazor WebAssembly is constrained by the same restrictions as any other web app.

You won't be able to do this.

This is a Browser / JavaScript security feature, sockets are not allowed.


You will have to use WebSockets (SignalR) or the HttpClient. HttpClient has been re-implemented in Blazor to go through JavaScript.

When you need to access an existing service with sockets you will need a server back-end to do that. Consider Blazor/Server or Blazor/Wasm Hosted.

Share Follow


edited May 20, 2020 at 10:27


answered May 20, 2020 at 7:21


**H H**
260k 30 326 509

<https://stackoverflow.com/questions/61906292/how-can-i-use-socket-in-blazor-client-side>

<https://github.com/dotnet/aspnetcore/issues/22140>

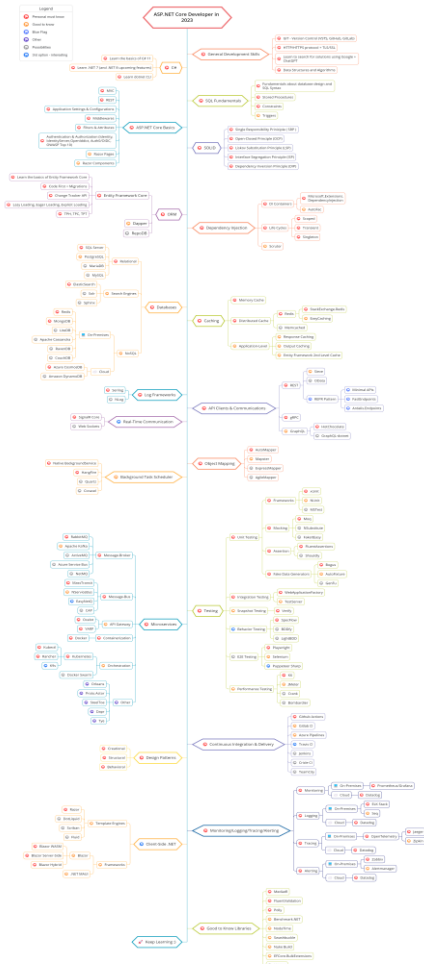
 KH SYSTEMS

 INFRAGISTICS

 BLUEPORT

Session 1 – 2월 밋업의 질문

ASP.NET Core Developer in 2023(.net 개발자 테크트리?)


























- General Development Skills
- C#
- SQL Fundamentals
- ASP.NET Core Basics
- SOLID
- ORM (Entity Framework Core)
- Dependency Injection
- Databases
- Caching
- Log Frameworks
- API Clients & Communications
- Real-Time Communications(SignalR Core)
- Object Mapping
- Background Task Scheduler
- Microservices
- Continuous Integration & Delivery
- Design Patterns
- Monitoring/Logging/Alerting
- Client-Side .NET
- Libraries
- Keep Learning!!!

Session 1 – news

.NET8 preview 1

Blazor

-  Blazor United #46636
-  Real multithreading (on supported browsers) #17730
-  Consider re-designing the Blazor WASM authentication stack #40764
-  Ability to run multiple Blazor server / Web assembly apps in the same document #38128
-  API for dispatching to renderer sync context and capturing exceptions #44920
-  Enhance Blazor.reconnect to state whether failures are due to circuit not existing so we can auto-reload page #44669
-  Enable compression on blazorpack #35897
-  Support rendering components outside of the HttpContext #38114
-  [JSInterop] Little improvements #31151
-  Mechanism for delaying Blazor's first render until after some async operation #45131
-  Intercepting requests from BlazorWebView maui#11382
-  Hash routing to named element #8393
-  Remove `unsafe-eval` CSP Requirement for Blazor WASM #37787
-  Sections support in Blazor #28182
-  [Blazor] Avoid completely replacing the DOM when components are re-rendered after prerendering #42561
-  Ability to monitor circuit activity #30287
-  Consider using C#9 Source Generators for implementing `SetParametersAsync` #29550
-  Blazor Server: Provide APIs/extensibility for circuit eviction #17866
-  Productize QuickGrid #46317
-  [wasm] Jitterpreter tracking issue runtime#78428
-  [tracking] Publish .NET assemblies in Webcil files runtime#80807
-  [wasm] Tracking issue for build/bundler changes runtime#70762
-  Continued improvements to Mono Method Body Replacement runtime#57365

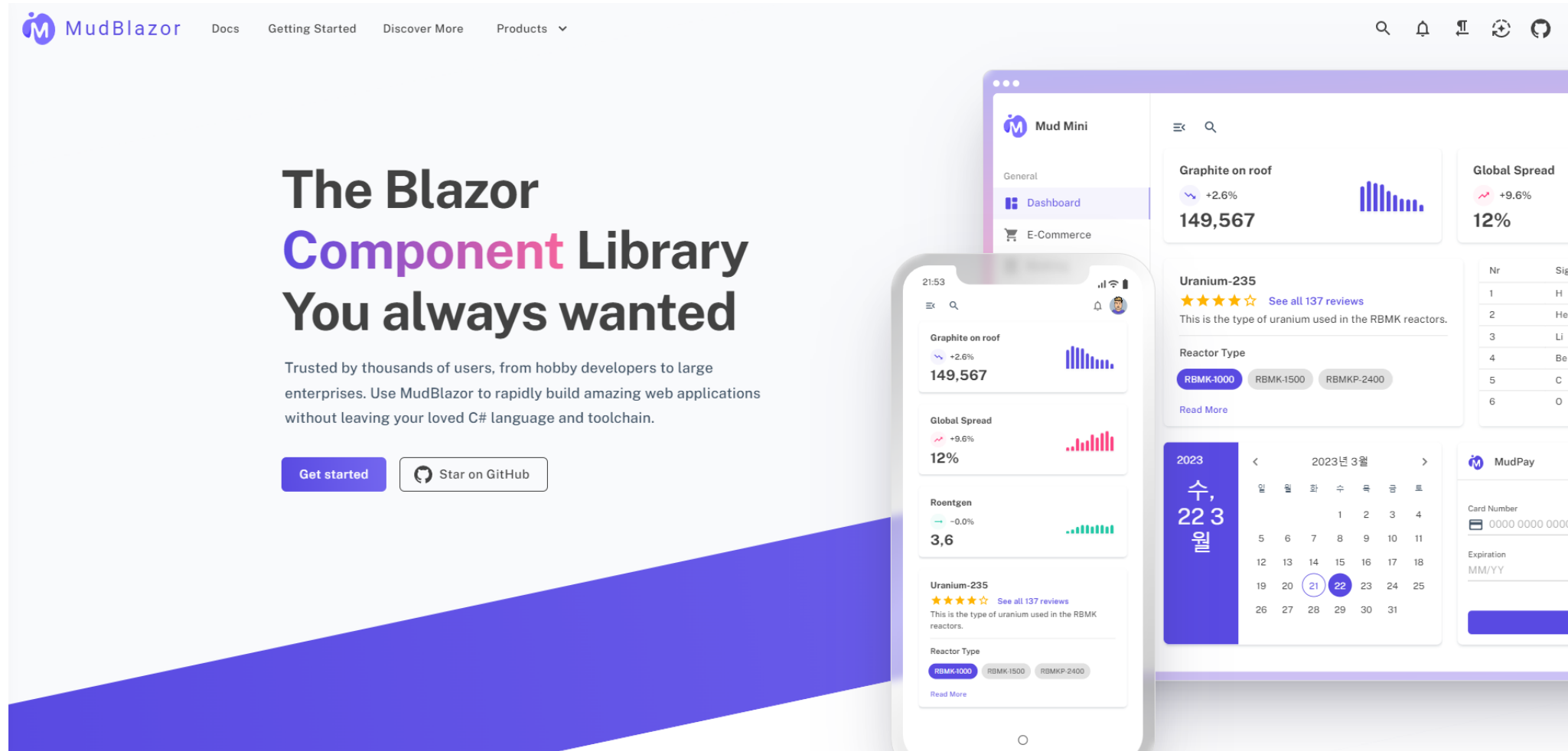
- Blazor United????

- preview 2 T^T

<https://github.com/dotnet/aspnetcore/issues/44984>

Session 1 – resource

MudBlazor



The image shows the MudBlazor landing page and a preview of a mobile application. The landing page features the MudBlazor logo, navigation links (Docs, Getting Started, Discover More, Products), and a main heading: "The Blazor Component Library You always wanted". Below the heading is a paragraph: "Trusted by thousands of users, from hobby developers to large enterprises. Use MudBlazor to rapidly build amazing web applications without leaving your loved C# language and toolchain." There are two buttons: "Get started" and "Star on GitHub". The mobile app preview shows a dashboard with various charts and data points, including "Graphite on roof", "Global Spread", "Roentgen", and "Uranium-235".

MudBlazor

Docs Getting Started Discover More Products

The Blazor Component Library You always wanted

Trusted by thousands of users, from hobby developers to large enterprises. Use MudBlazor to rapidly build amazing web applications without leaving your loved C# language and toolchain.

[Get started](#) [Star on GitHub](#)

Mud Mini

General Dashboard E-Commerce

Graphite on roof
+2.6%
149,567

Global Spread
+9.6%
12%

Roentgen
-0.0%
3,6

Uranium-235
★★★★☆ See all 137 reviews
This is the type of uranium used in the RBMK reactors.

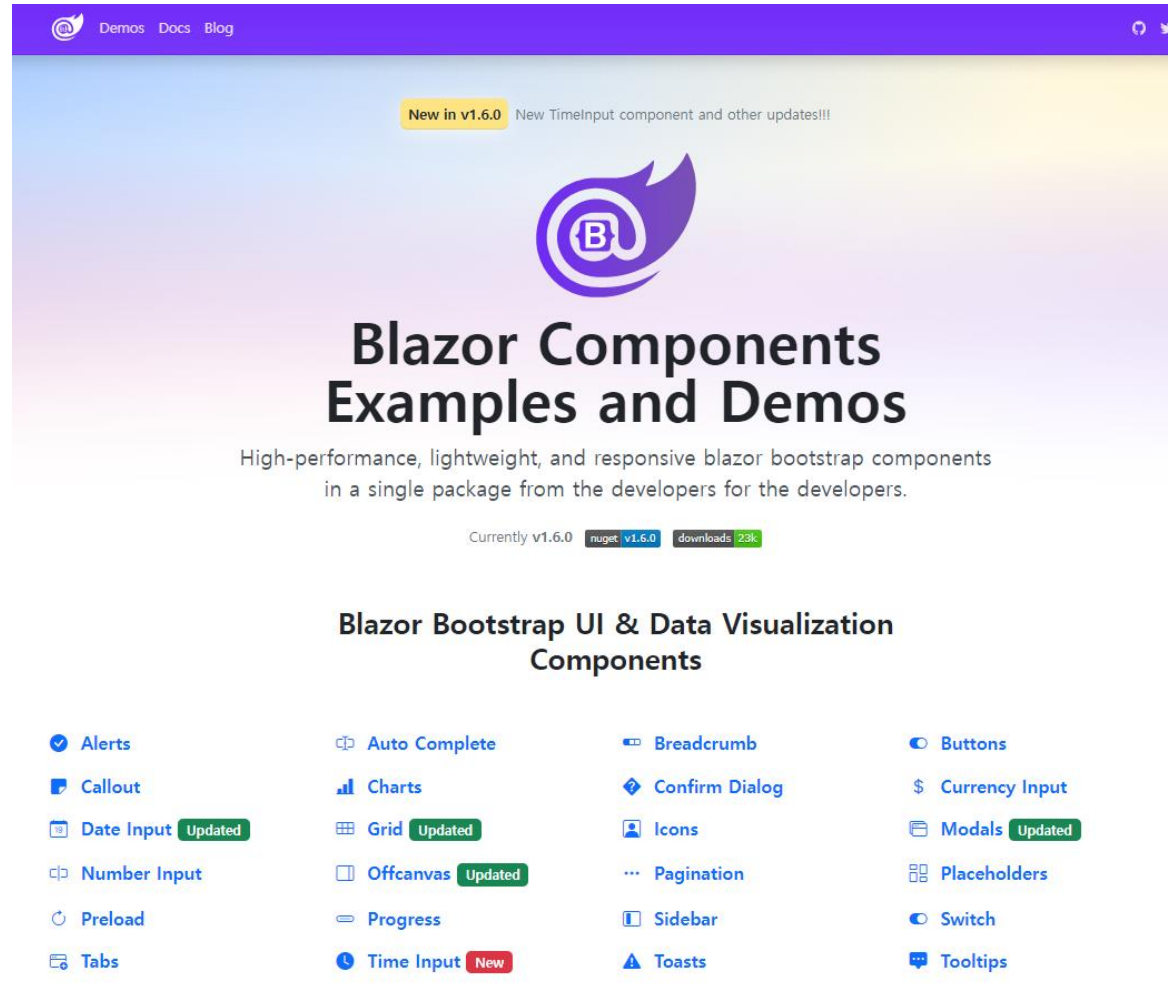
Reactor Type
RBMK-1000 RBMK-1500 RBMK-2400

2023년 3월
수, 22 3월

MudPay
Card Number 0000 0000 0000
Expiration MM/YY

<https://mudblazor.com/>

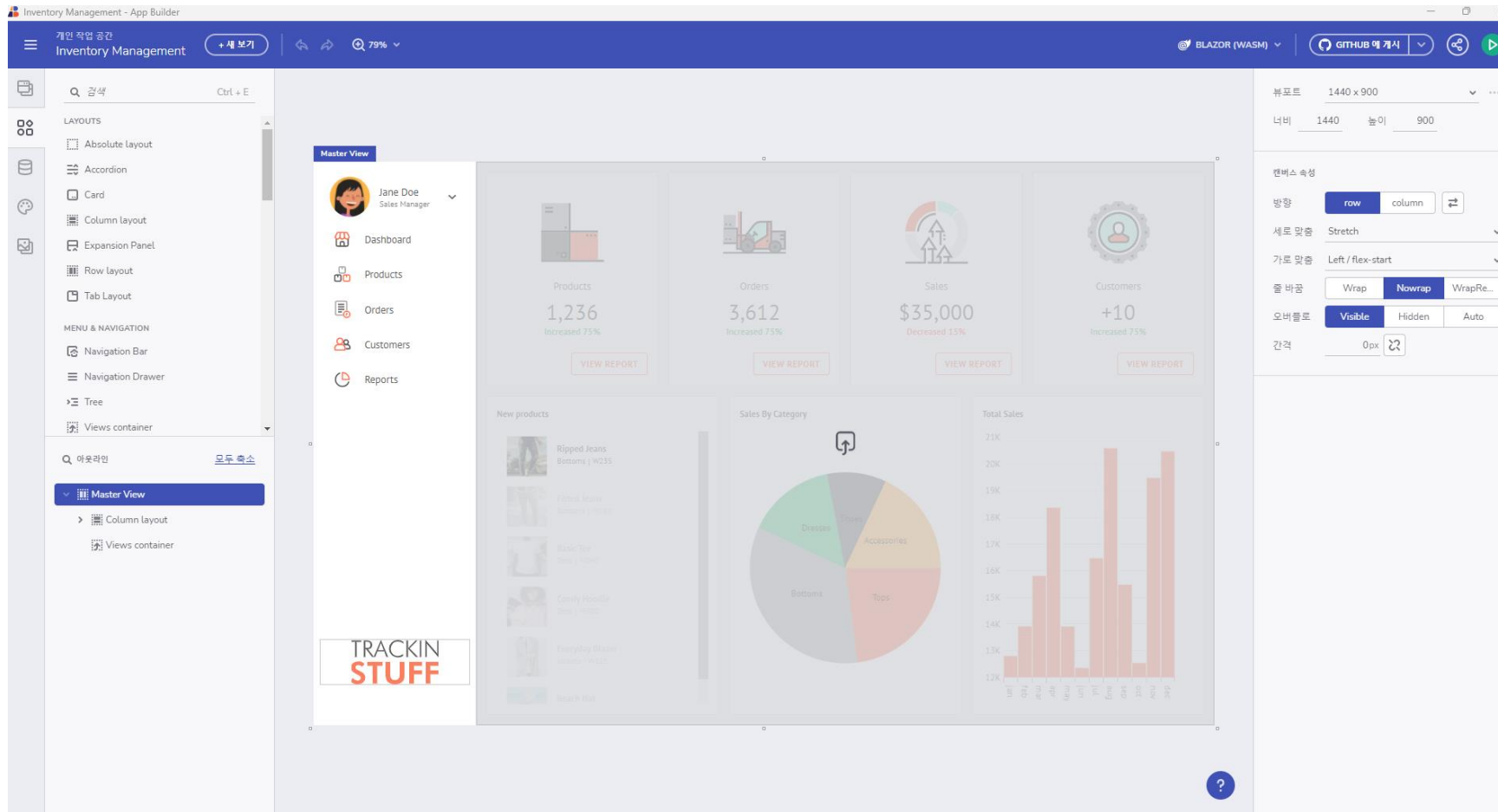
blazorbootstrap



<https://demos.blazorbootstrap.com/>

Session 1 – resource

AppBuilder



Session 2

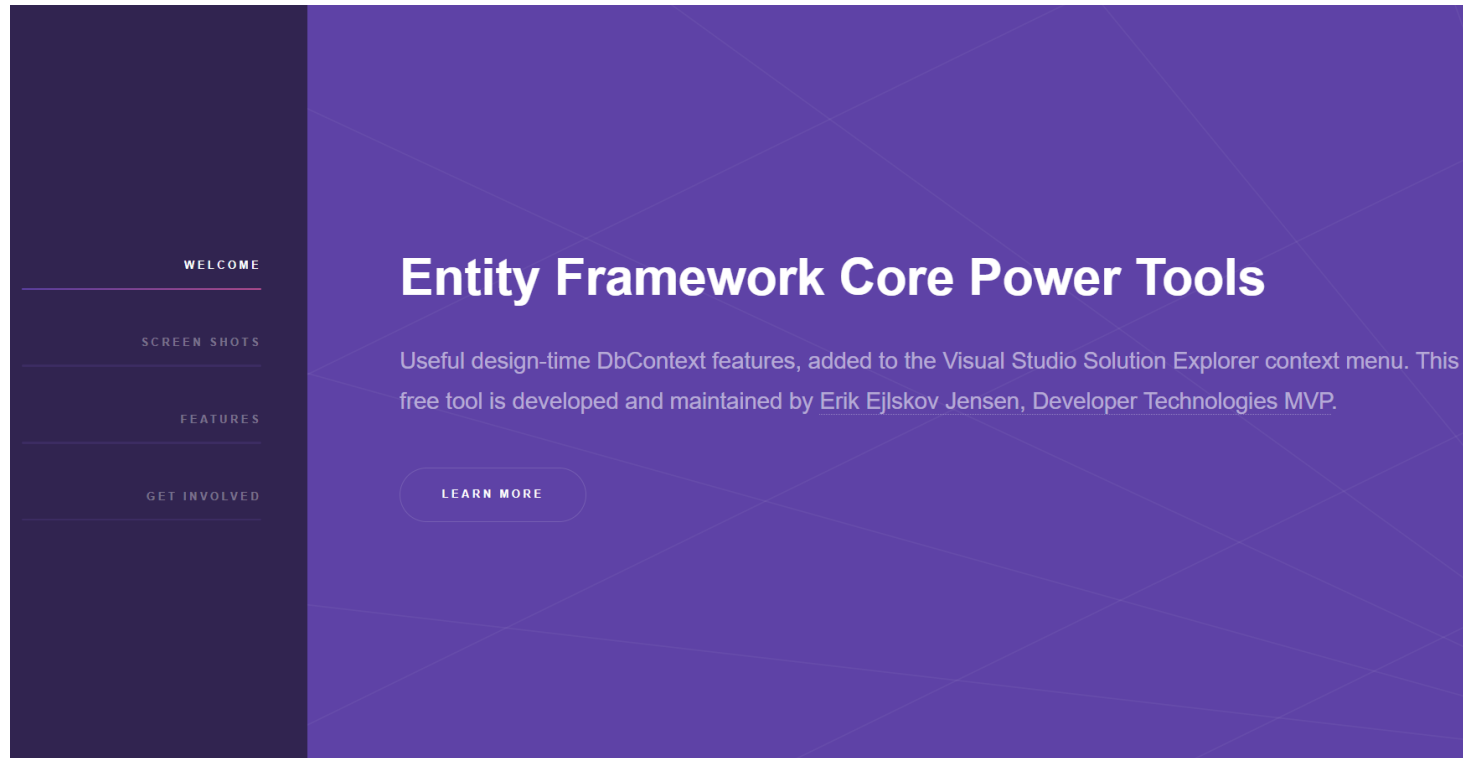
EF Core + Power Tools

Entity Framework Core

Entity Framework 설명서

Entity Framework Core는 .NET용 최신 개체 데이터베이스 매퍼입니다. LINQ 쿼리, 변경 내용 추적, 업데이트 및 스키마 마이그레이션을 지원합니다. EF Core는 SQL Database(온-프레미스 및 Azure), SQLite, MySQL, PostgreSQL, Azure Cosmos DB를 비롯한 여러 데이터베이스에서 작동합니다.

Entity Framework Core Power Tools



<https://erikej.github.io/EFCorePowerTools/index.html>

Session 2



rynowak commented on Oct 4, 2019

Member ...

Hi @EduVencovsky

In general with Blazor you'll have issues mixing for-loops and lambdas - <https://docs.microsoft.com/en-us/aspnet/core/blazor/components?view=aspnetcore-3.0#lambda-expressions> - this is just how C# works and it's not specific to Blazor.

I'd suggest the following:

```
@{ var i = 0; }  
@foreach (var member in memberRef)  
{  
    <div @onclick="() => MemberFunction(i)" @ref="memberRef[i]">Click Here</div>  
    @{ i++; }  
}
```



1



The MS-SQL Client software uses a TCP socket based protocol that is indeed "not supported" on WebAssembly.

You would need a Db with an HTTP based API but then be very aware that your credentials will be public. A Web based Client is not secure.

This is why all SPA apps that need a backend Database use an API server for Db access. Take a look at the Blazor Wasm + Hosted template, see if that works for you.

<https://github.com/dotnet/aspnetcore/issues/14700>

<https://stackoverflow.com/questions/70835347/cannot-connect-to-sql-database-using-blazor-and-entity-framework>



*break
time*

Session 3

바코드 프린터가 되어야 해!

Session 3

오늘의 프린터

Brother QL-700



Session 3

오늘의 프린터

Brother QL-700

32bit support only?
COM 데이터 마샬링???



Session 3

Blazor WASM에서의 COM Interop 호출

Debugging hotkey: Shift+Alt+D (when application has focus)

blazor Loaded 9.65 MB resources
This application was built with linking (tree shaking) disabled. Published applications will be significantly smaller.

crit: Microsoft.AspNetCore.Components.WebAssembly.Rendering.WebAssemblyRenderer[100]
Unhandled exception rendering component: Could not load file or assembly 'Interop.bpac, Version=1.3.0.0, Culture=neutral, PublicKeyToken=null' or one of its dependencies.
System.IO.FileNotFoundException: Could not load file or assembly 'Interop.bpac, Version=1.3.0.0, Culture=neutral, PublicKeyToken=null'
File name: 'Interop.bpac, Version=1.3.0.0, Culture=neutral, PublicKeyToken=null'
at Microsoft.AspNetCore.Components.EventCallbackWorkItem.InvokeAsync[Object](Multi
at Microsoft.AspNetCore.Components.EventCallbackWorkItem.InvokeAsync(Object arg)
at Microsoft.AspNetCore.Components.ComponentBase.Microsoft.AspNetCore.Components.I
at Microsoft.AspNetCore.Components.EventCallback.InvokeAsync(Object arg)
at Microsoft.AspNetCore.Components.RenderTree.Renderer.DispatchEventAsync(UInt64 e

The error that the **browser** console tells me

5

When you see this in the Browser then you are using Blazor WebAssembly. You can't use a native library there.

You would have to a) compile the C++ to WebAssembly and then b) use JS Interop to load and call that. I don't know about an example.

Blazor also has a server-side application type. You could use the DLL there just as in the desktop app.

Share Follow

edited Apr 6, 2021 at 11:07

answered Apr 6, 2021 at 11:03

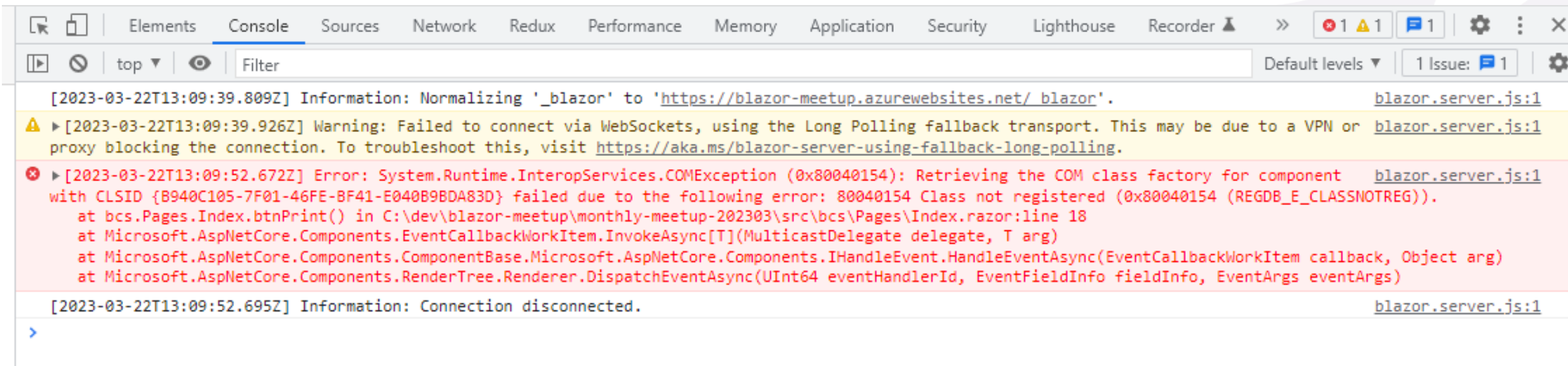
260k 30 326 509

https://stackoverflow.com/questions/66966926/c-dll-in-blazor-project?fbclid=IwAR3hTmzikdWuZcTa_VSz-9FrbaebcCMJlb2nab3oMyMNYzoQr6w4o4v5CX4

Blazor Server App

```
C:\dev\blazor-meetup\mon x + v
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://[::]:5000
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\dev\blazor-meetup\monthly-meetup-202303\src\bcs
현재 위치[C:\dev\blazor-meetup\monthly-meetup-202303\src\bcs\wwwroot\label\blazor.lbx]
Brother QL-700 Online
인쇄시작성공
인쇄성공
인쇄해 보시다
현재 위치[C:\dev\blazor-meetup\monthly-meetup-202303\src\bcs\wwwroot\label\blazor.lbx]
Brother QL-700 Online
인쇄시작성공
인쇄성공
인쇄해 보시다
|
```

Azure 게시(Windows App Service) 결과



오늘의 깨달음

- WebAssembly는 만능이 아니다.
- 특히 Browser에서禁하는 것은 할 수 없다.
- Blazer Server App은 버튼 코드 하나도 Server-Side에서 진행되는 구나.

Session 3

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POC를
했어 해보나 싶은
시나리오가 많아진거?

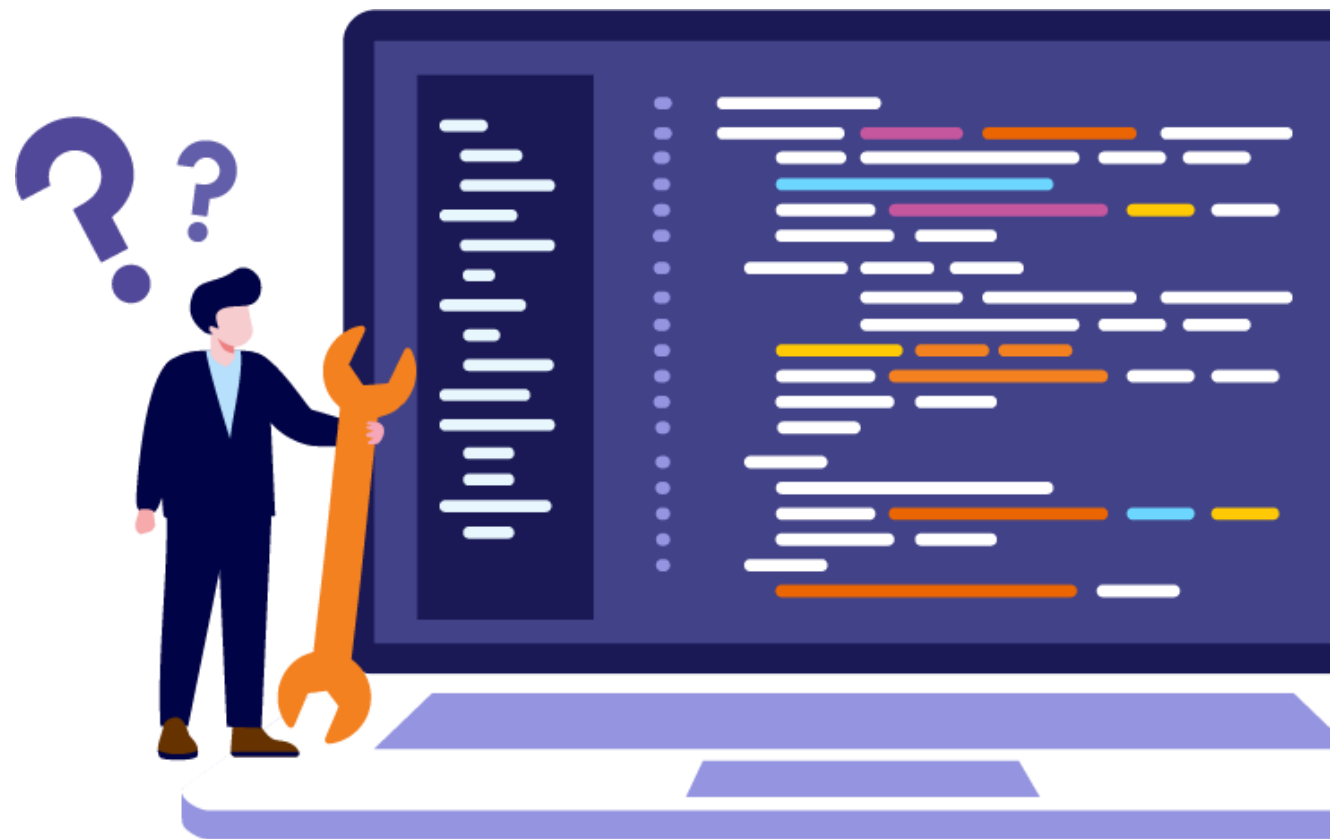
Q&A

Blazor Korea User Group

facebook.com/groups/blazor.korea

GitHub

<https://github.com/blazor-meetup>



THANK YOU