APHOGESCHOOL ANTWERPEN

Schaalbare .NET applicaties met Microsoft Orleans

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Here's Johnny

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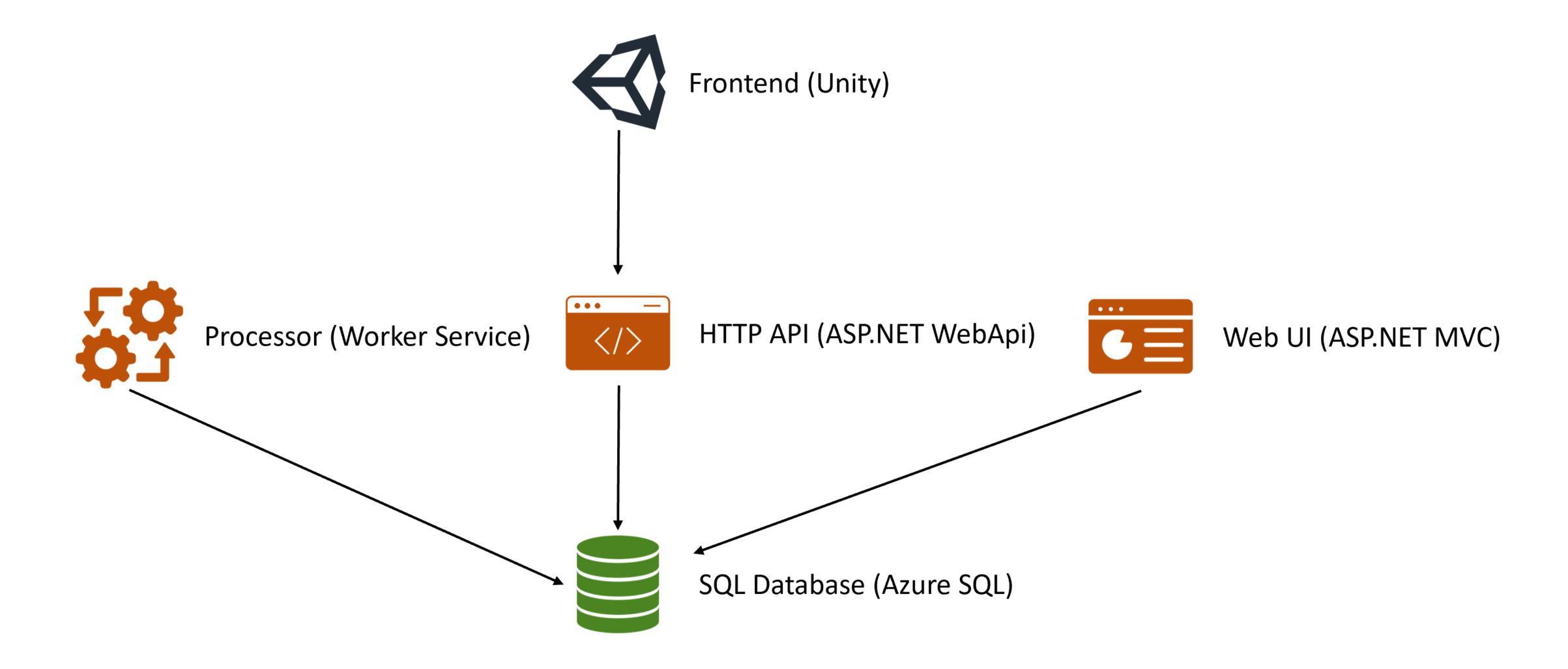




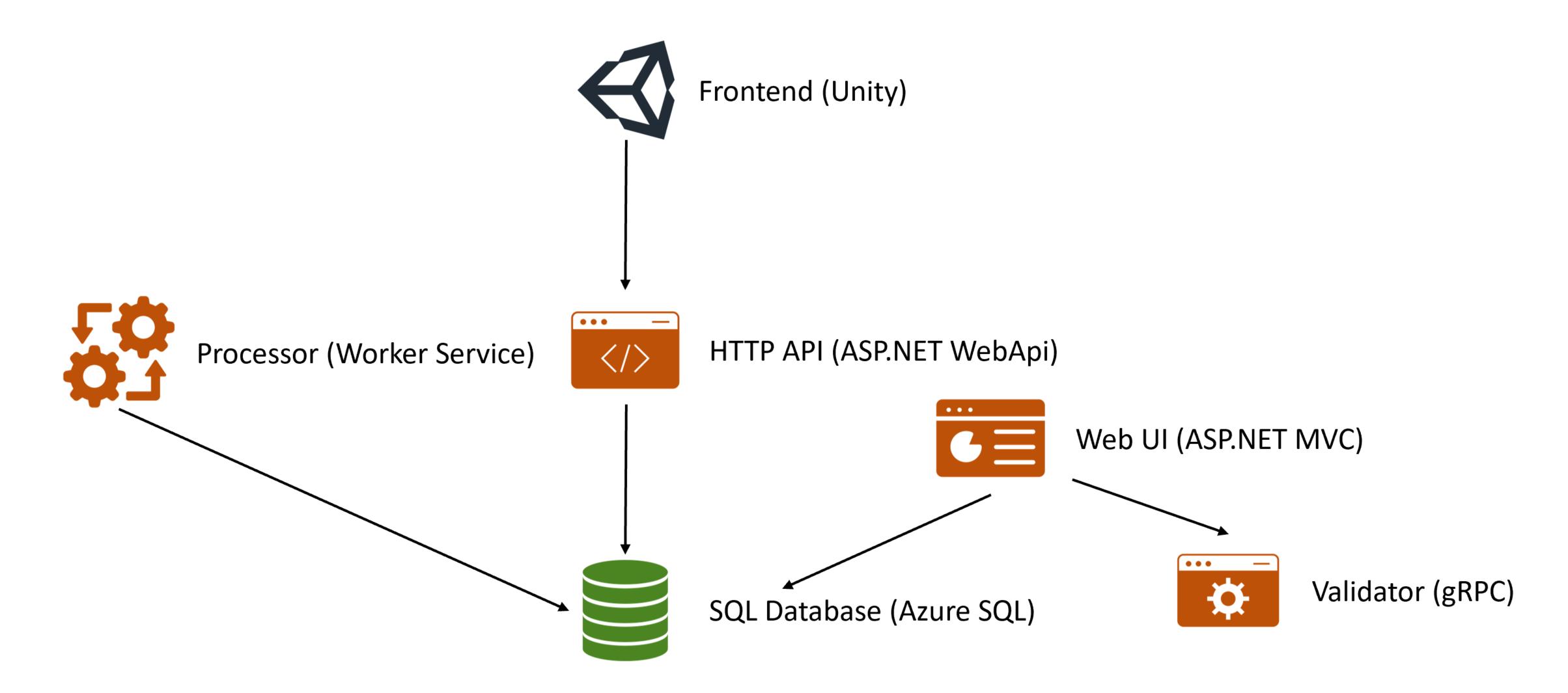
CSharpWars

```
var step = LoadFromMemory<Int32>("STEP");
if( step % 3 == 0 )
    TurnLeft();
else
    WalkForward();
step++;
StoreInMemory<Int32>("STEP", step);
```

CSharpWars (eerste versie)

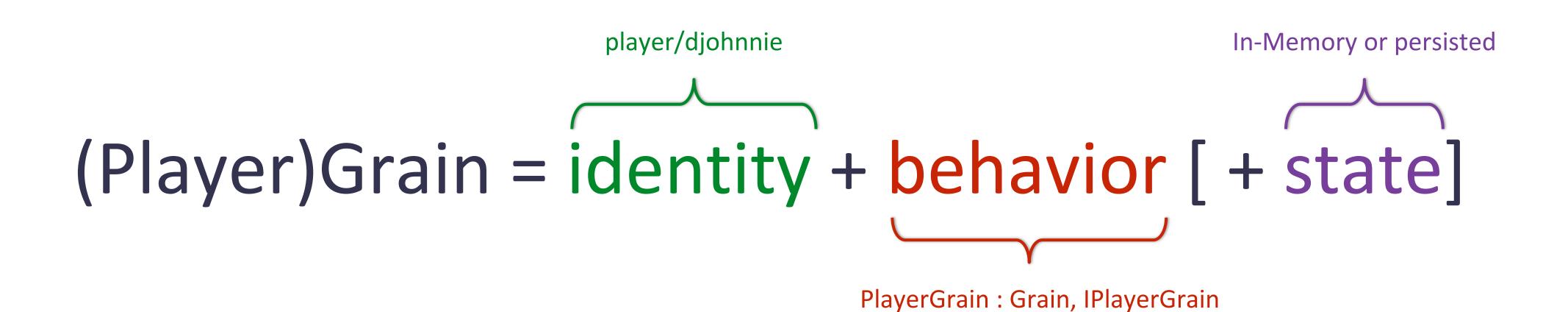


CSharpWars (tweede versie)



Virtual Actor Model Active In Memory Method Call Actor A Activating Deactivating Actor B Method Call Client Persisted

Grains

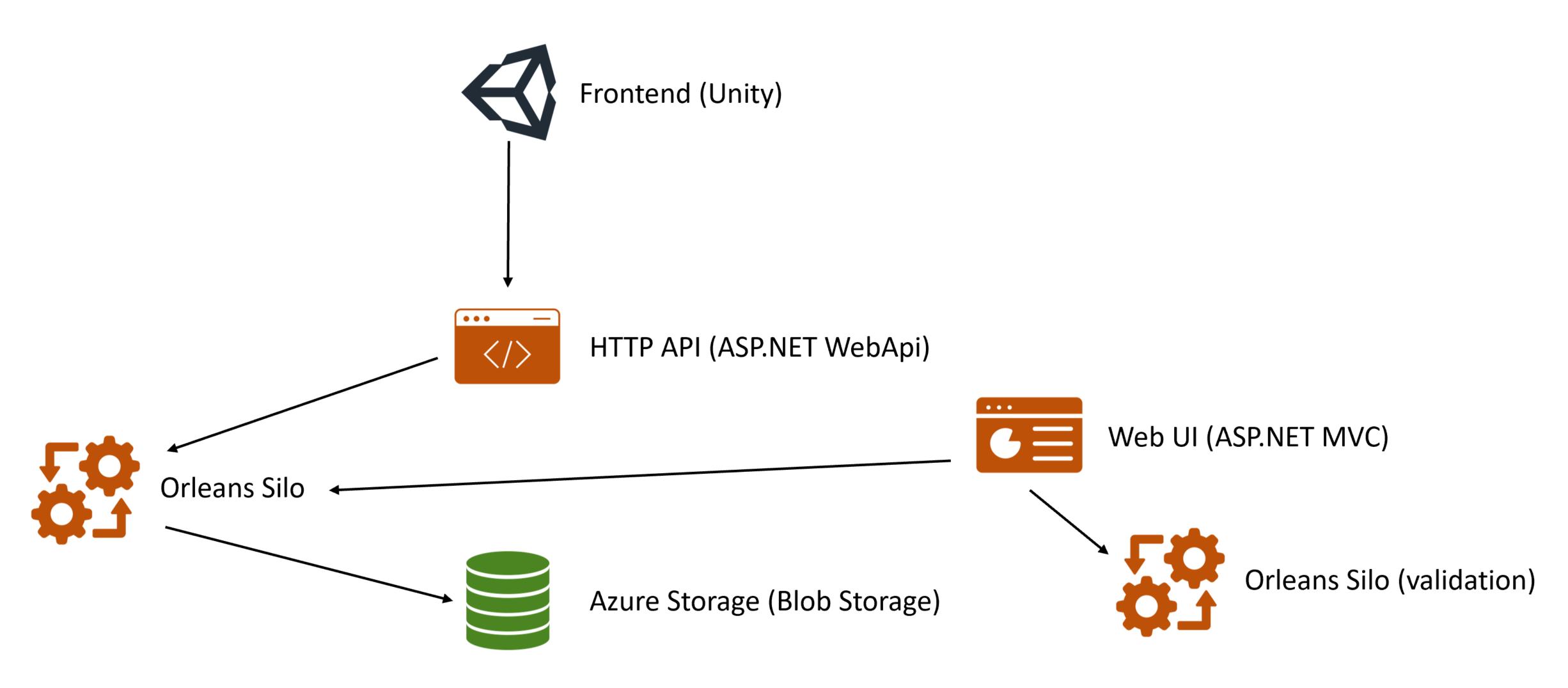


Silos

PlayerGrain BotGrain ArenaGrain ValidationGrain PlayerGrain ScriptGrain ValidationGrain ArenaGrain PlayerGrain BotGrain BotGrain ScriptGrain BotGrain ScriptGrain BotGrain ScriptGrain BotGrain ScriptGrain ScriptGrain PlayerGrain



CSharpWars (Orleans versie)

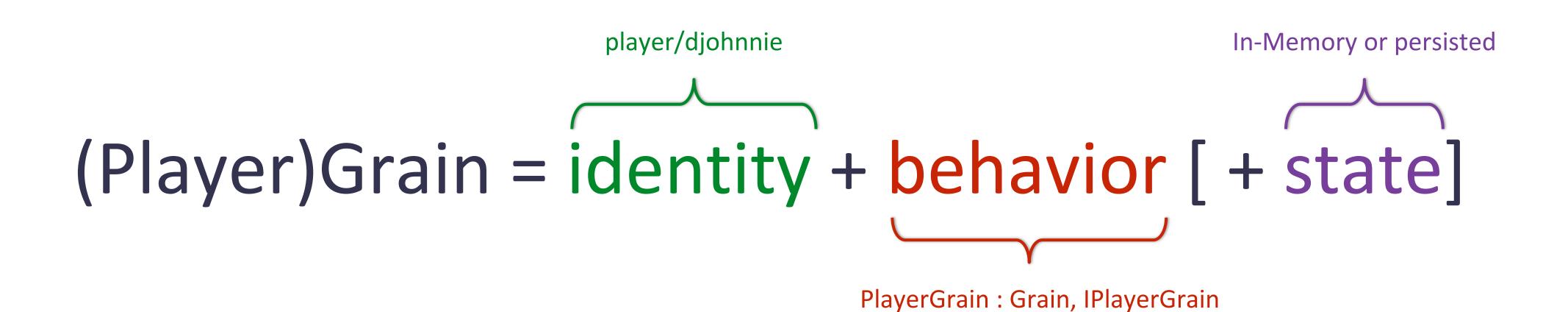


CSharpWars demo

Test het zelf uit: https://web.csharpwars.com



Grains



Grains

- Grain Identity
- Persistence & State
- Timers and Reminders
- Placement
- Activation GC

Silos

PlayerGrain BotGrain ArenaGrain ValidationGrain PlayerGrain ScriptGrain ArenaGrain ValidationGrain PlayerGrain BotGrain BotGrain ScriptGrain ScriptGrain BotGrain ScriptGrain BotGrain BotGrain ScriptGrain ScriptGrain PlayerGrain

Silos

- Hosting
- Clients
- Heterogeneous silos

Vragen?

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https://github.com/Djohnnie/BuildingCloudNativeApplicationsUsingOrleans-APHogeschool-2023