

Using the Repository Pattern the Right Way



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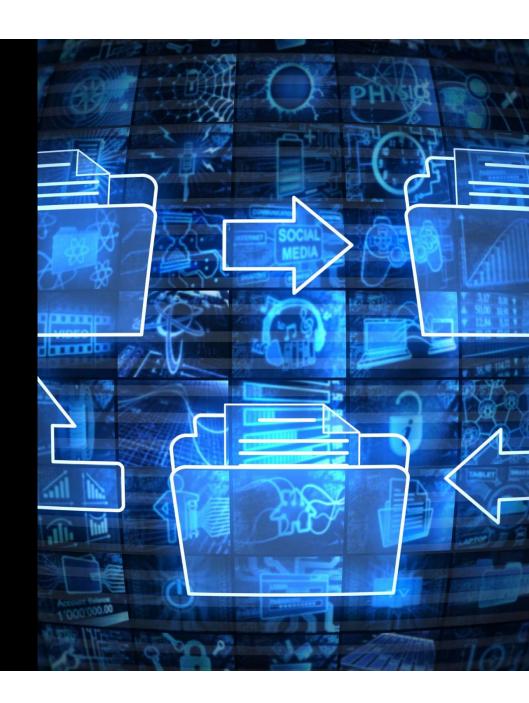
(... According to Me)

### What are Repositories?

Been around for a bit

Three Layer Architecture
Repositories – DAL – Data Access Layer
Façades – BLL – Business Logic Layer
Views & ViewModels - UI Layer

Used for exactly that, accessing data



# Hi, I'm Eric This is my boss Zelda

**Author of NoDoxx and dotnet Bacon** 

**Live coder on Twitch** 

**Progress Telerik Champion** 





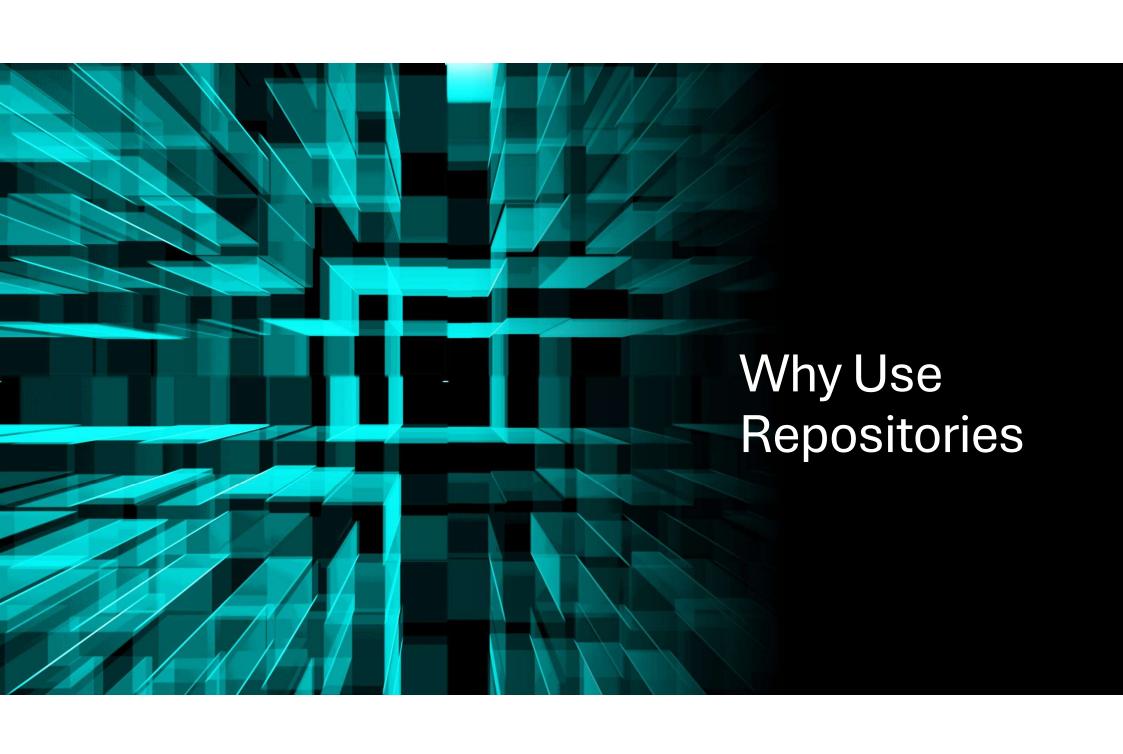
# Why NOT to Use Repositories

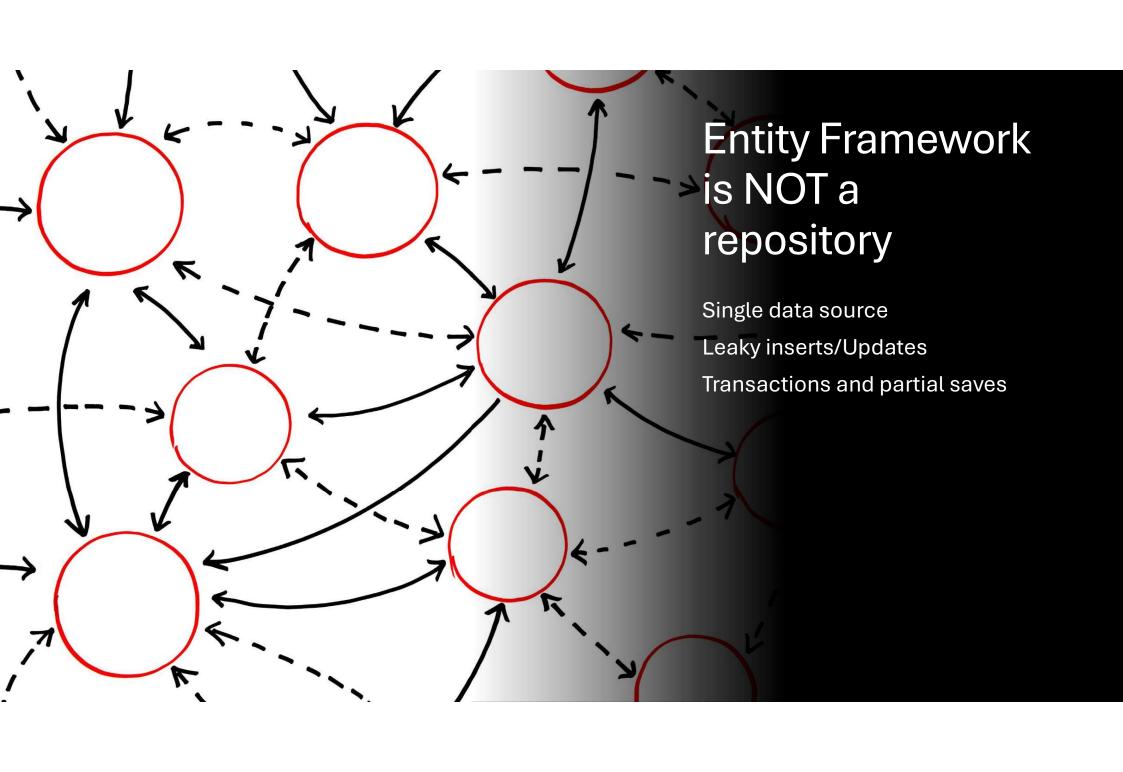
Yet another abstraction layer

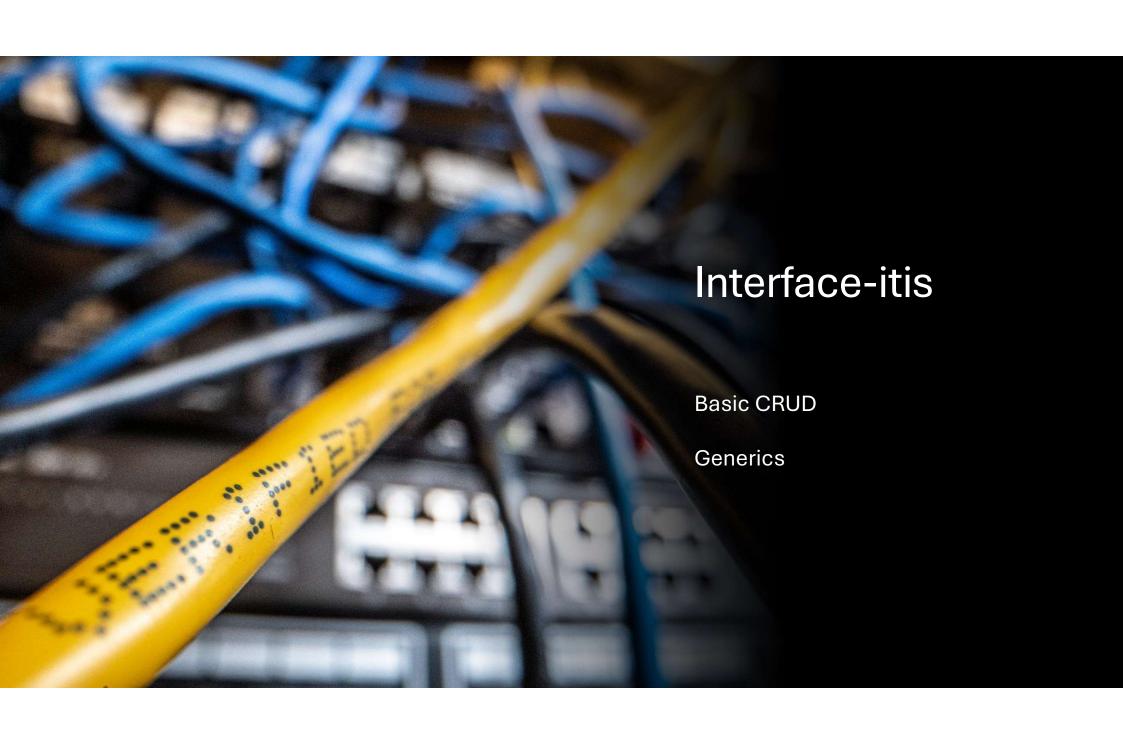
**Denormalized data stores** 

**Performance concerns** 

Complexity







### Abstract classes

Shared code for each datasource

### Specific interfaces

Access data in specific ways



# TIME FOR SOME CODE

## Unit of Work

Transactions

Data reference integrity

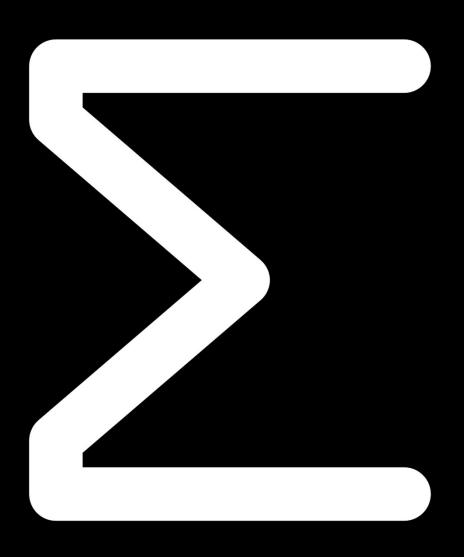
Data consistency

Retry policy Order by risk





```
Arror_mod.mirror_object
peration == "MIRROR_X":
mirror_mod.use_x = True
"Irror_mod.use_y = False
lrror_mod.use_z = False
_operation == "MIRROR_Y")
lrror_mod.use_x = False
mirror mod.use_y = True
mlrror_mod.use_z = False
 operation == "MIRROR_Z"
 lrror_mod.use_x = False
 lrror_mod.use_y = False
 rror_mod.use_z = True
 selection at the end -add
  ob.select= 1
  SOME MORE CODE
  irror ob.select = 0
 bpy.context.selected_obj
  lata.objects[one.name].se
 int("please select exactle
  -- OPERATOR CLASSES ----
  (vpes.Operator):
   X mirror to the selected
  ject.mirror_mirror_x"
  Fror X"
```



### Summing it up

Denormalize your data in ways that make sense

Let your repositories grow with specific access and search functions

Interface-itis isn't always a bad thing

Base classes will save you time



#### Where to find me

Twitch every week at https://twitch.tv/thindal Send me an email – eric@ceriq.se

LinkedIn, eric-r-johansson Twitter aka X, @ericjohansson

Slides and more on GitHub, https://github.com/thindaltv

### **THANK YOU!**

Please leave feedback and help me do it better next time!