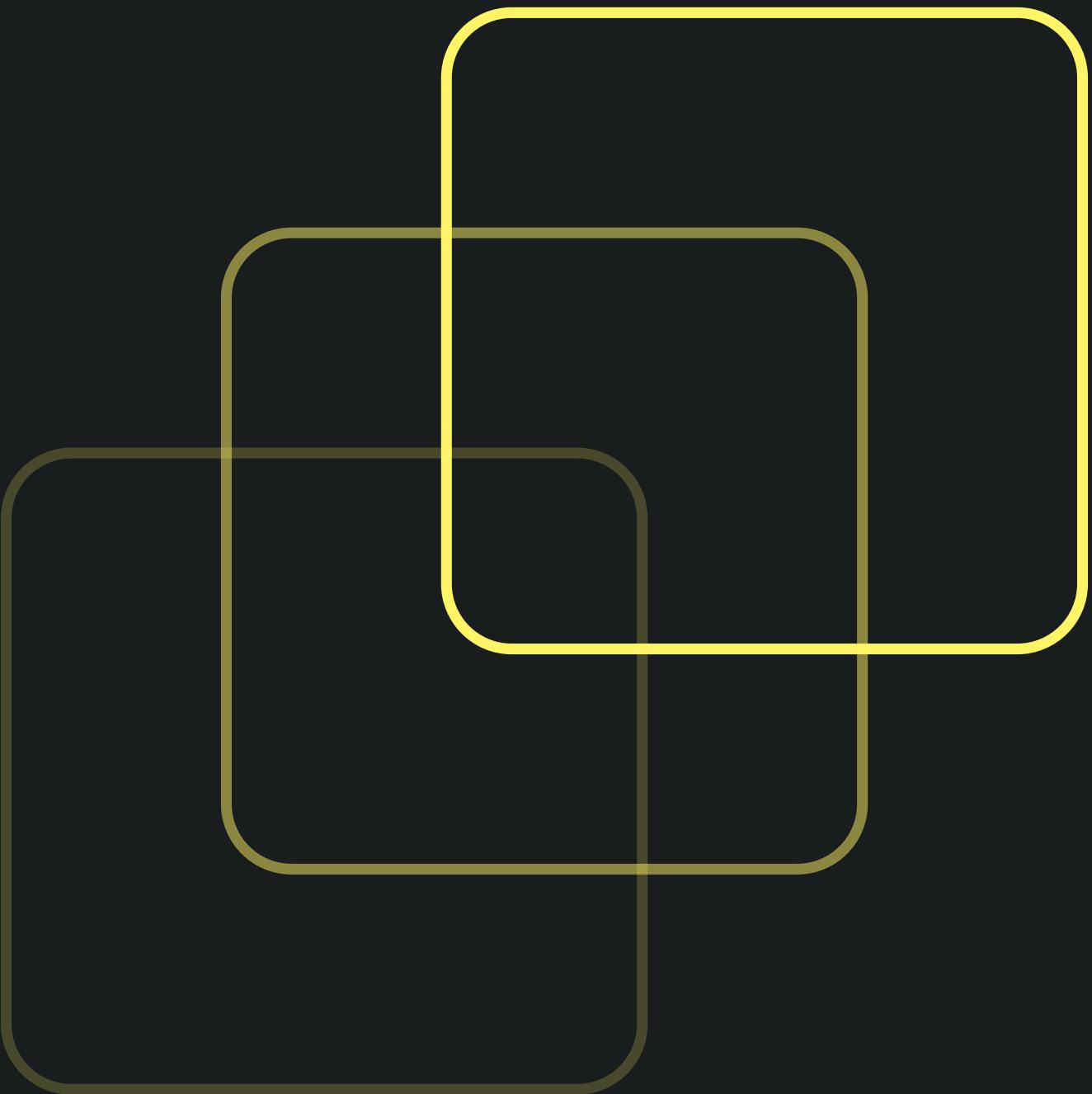


# Django Performance Optimization 101

How I think about it in the context of  
the business.

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Wednesday 11th May, 2022



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# I'll talk about

- Philosophy
- Demo Project
- Tools & Strategies
- Q & A

# Guiding Principles



Things I keep in mind as I manage application performance

customers > tech

servers are cheap\*

\*compared to dev time

simple > complex > complicated

use the right tool

DON'T USE SIGNALS

# Demo Project

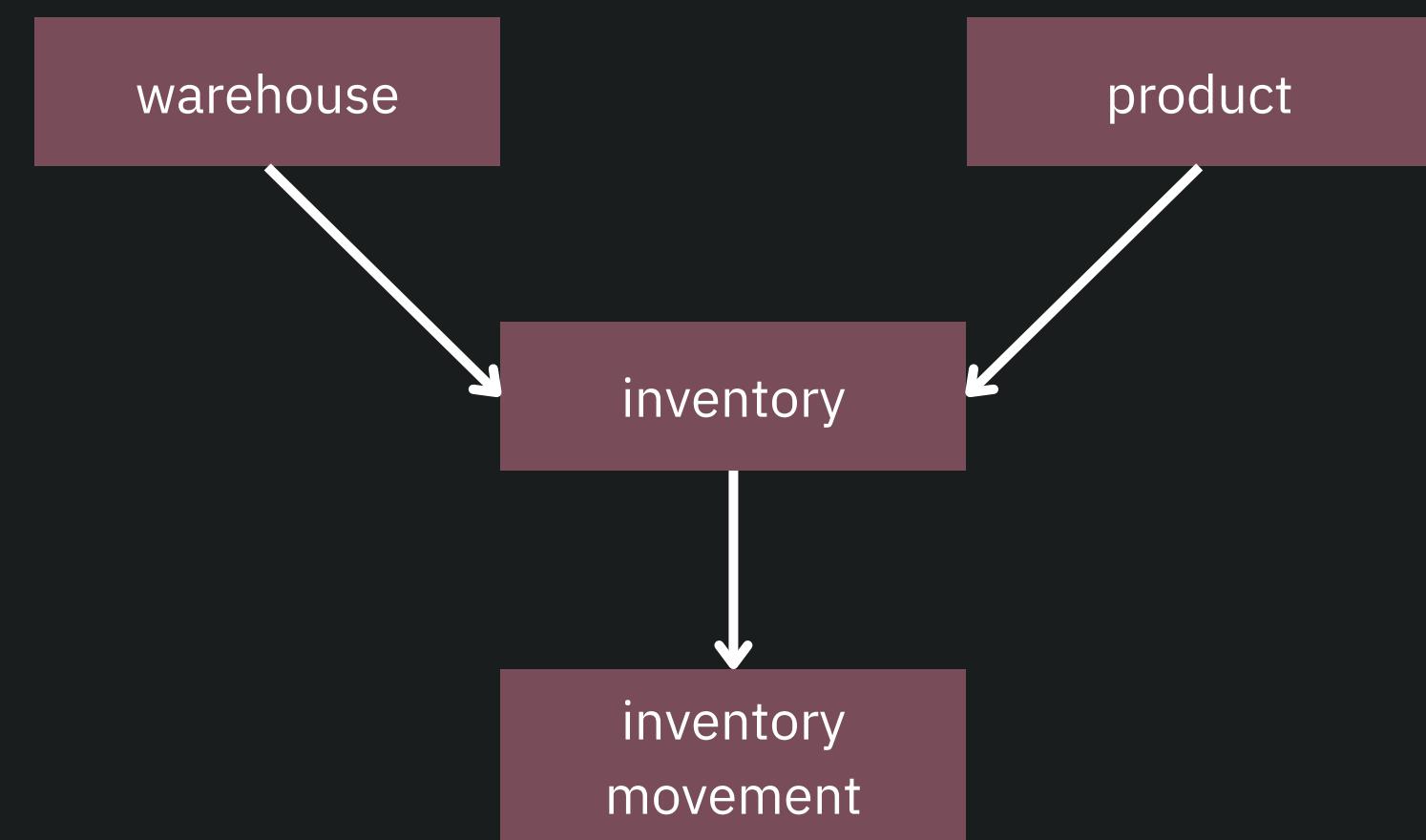


Let's walk through our demo app



<https://github.com/ibutiti/django-performance-talk>

# Warehouse management system



# Tools & Strategies

Finding and fixing performance issues



# profiling

- Django debug toolbar
- Django Silk ✓

# pagination

- page number
- limit/offset
- cursor

# serializers

- related fields
- nested serializers
- `get_serializer_class`

# db query optimization

- aggregations
- related objects
- `get_queryset`
- test guardrails

# background jobs

- redis
- celery
- rabbitmq

caching

redis + django =

That's all folks!