

EVENT SOURCING & CQRS IN ELIXIR

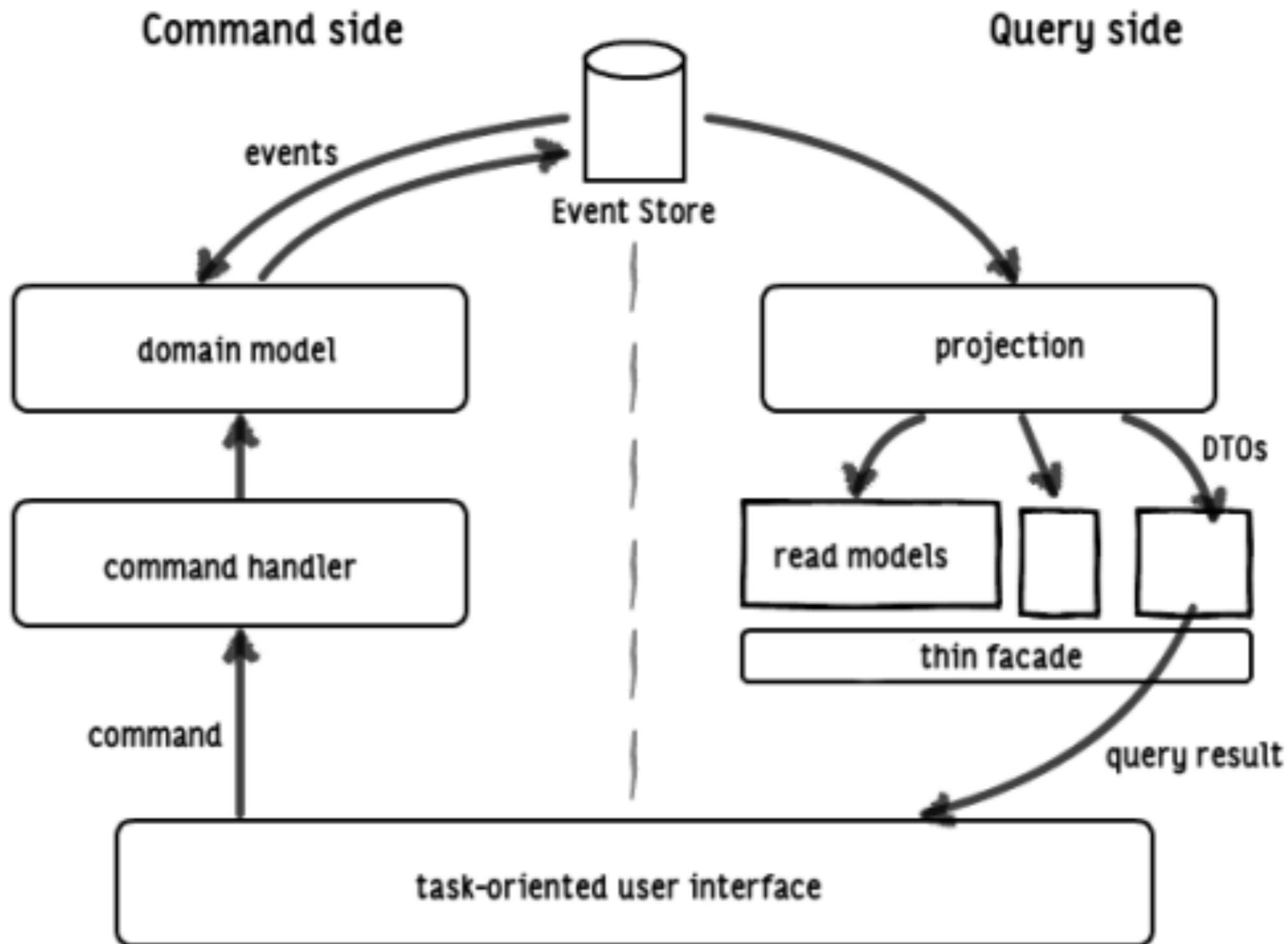
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EVENT SOURCING

- Pattern in which data is constructed from a sequence of immutable events recorded in an append-only data store.
- 100% accurate audit logging
- Concurrency is trivially easy
- Easy temporal queries

CQRS

- Command Query Responsibility Segregation
- Architectural pattern in which separate models and/or data stores are used for write operations (commands) and read operations (queries).
- Contrast with CRUD.
- Adds complexity - should only be used when the problem domain calls for it.
- Martin Fowler's take on CQRS

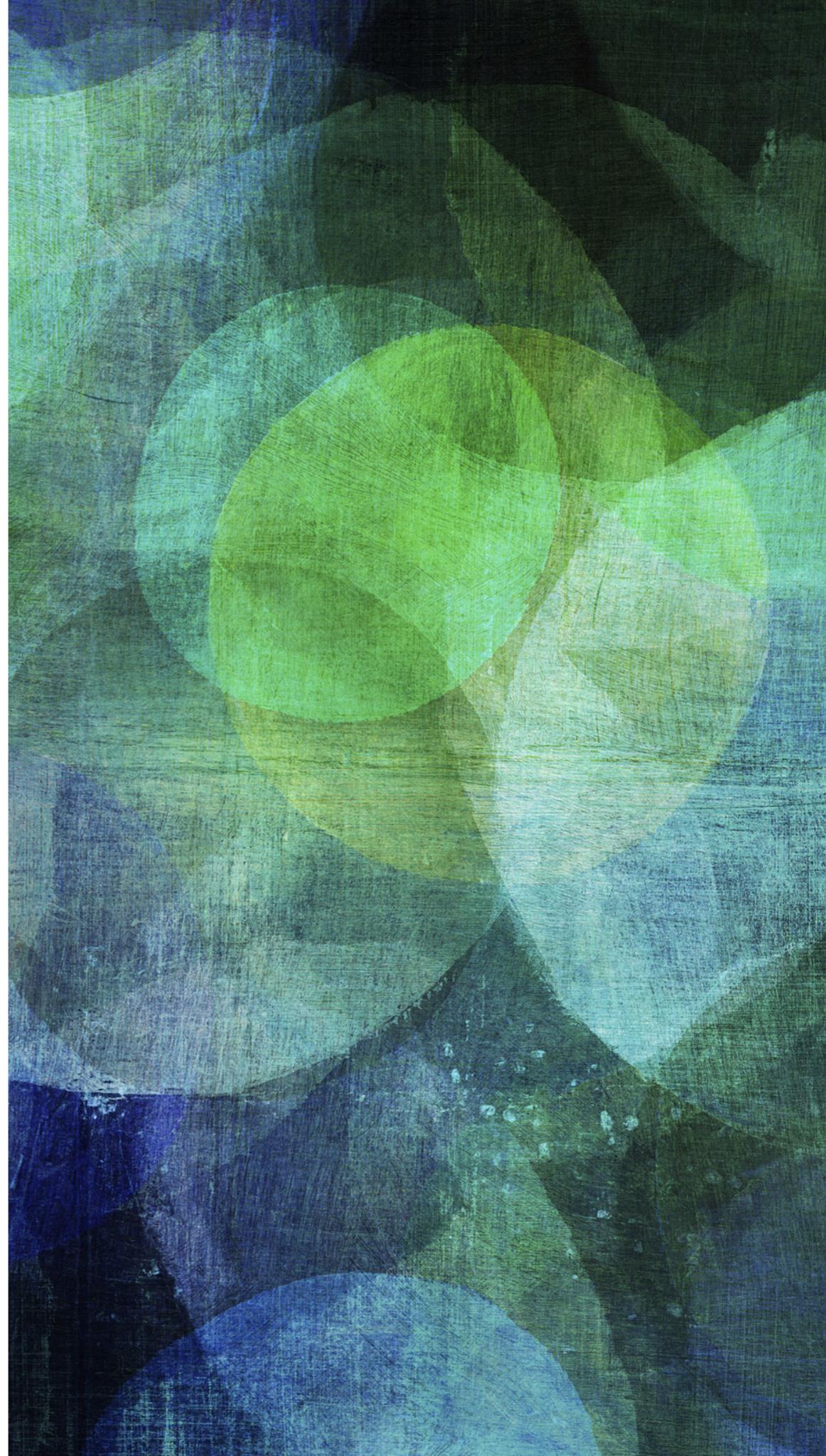


FOUNDATIONAL DDD CONCEPTS

- Bounded Contexts
- Ubiquitous Language
- Model-Driven Design
- Entities & Aggregates
- Domain Events

DEMO APPLICATION

Trustworthy Bank
“You can totally trust us!”





FURTHER READING

- <https://pragprog.com/book/swddd/domain-modeling-made-functional>
- <https://blog.nootch.net/post/event-sourcing-with-elixir/>
- <https://github.com/slashdotdash/conduit>