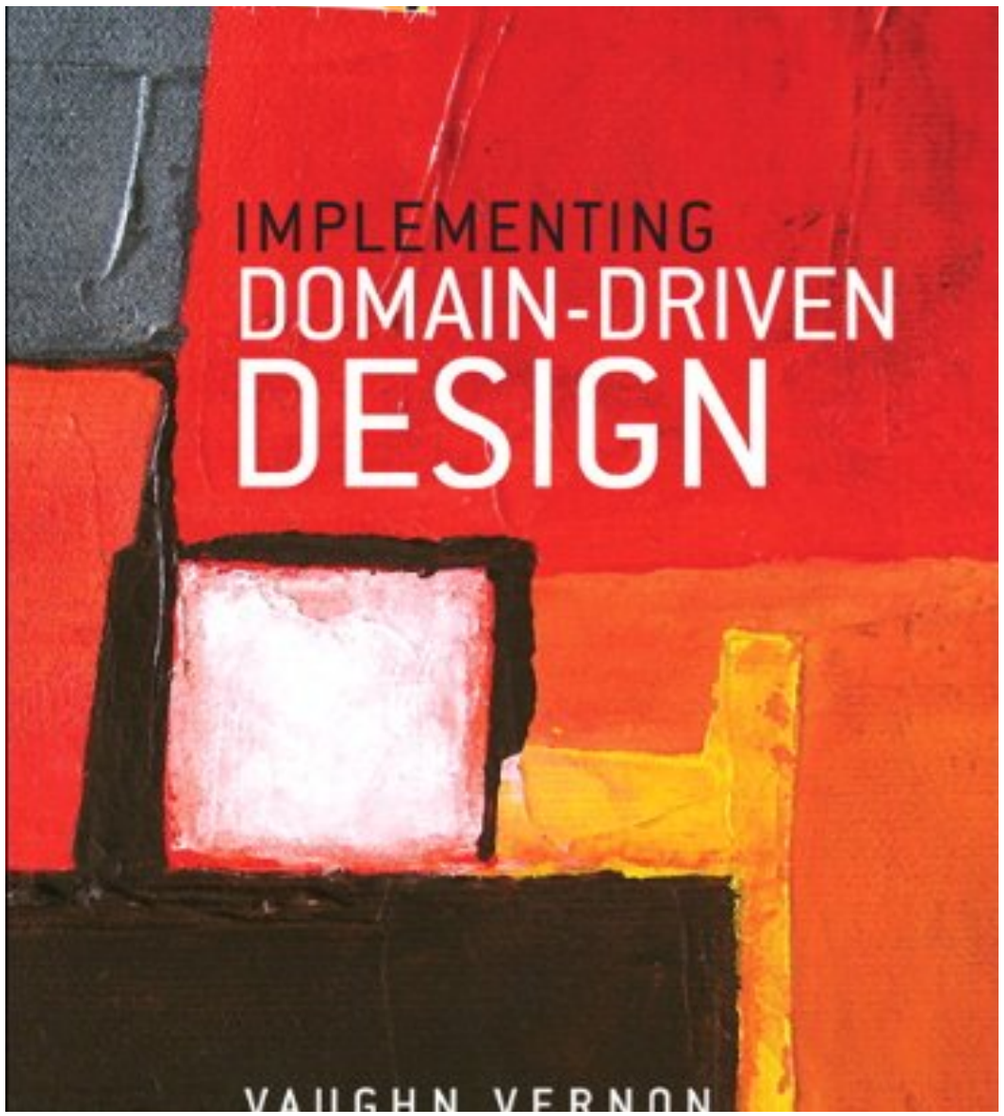
Strategic Domain Driven Design

Mutualism between tech and business

MUTUALISM

IMPLEMENTING DOMAIN DRIVEN DESIGN (VAUGHN VERNON)



INTRODUCTION

- What is DDD?

INTRODUCTION

- DDD in Adevinta

DOMAIN DRIVEN DESIGN

- Strategic:
  Related to business

- Tactical:
  Related to the technical solution

BUSINESS AND TECH

- Business experts form part of developers teams
- The entire team collaborates in understanding the business

MAIN CONCEPTS

- Domain
- Subdomain
- Core Domain
- Generic and Supporting subdomains

MAIN CONCEPTS

- Ubiquitous Language
- Bounded Context
- Domain Model

MAIN CONCEPTS

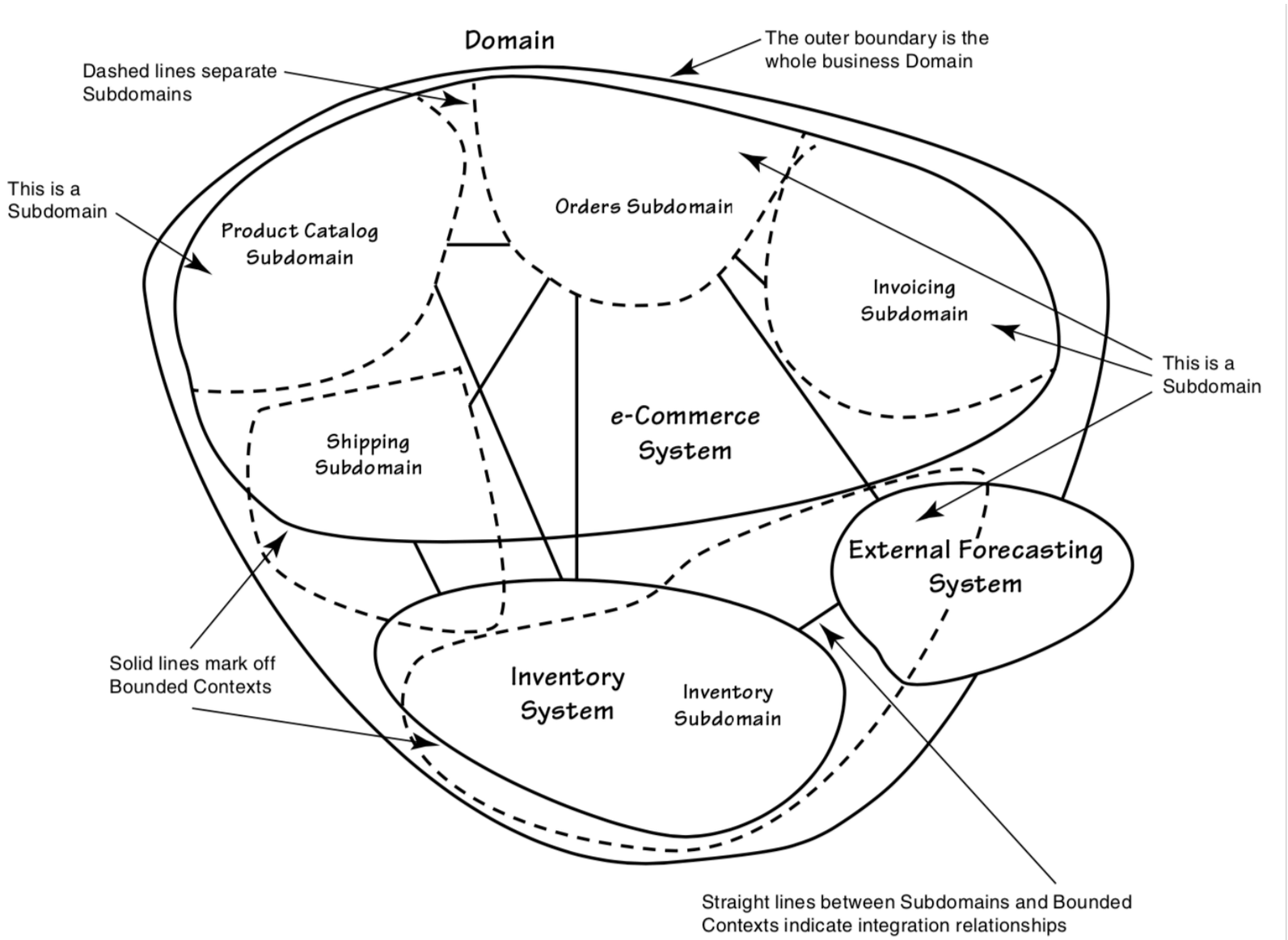
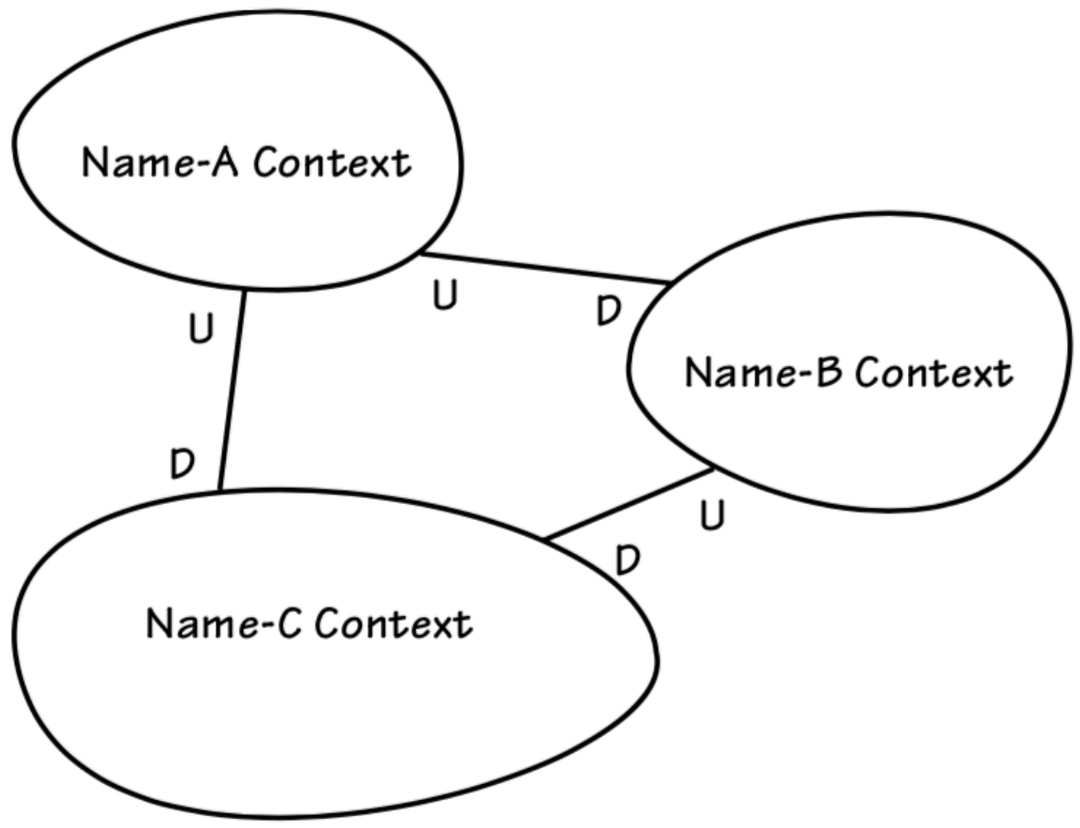


Figure 2.1 A Domain with Subdomains and Bounded Contexts

MAIN CONCEPTS

- Context Map



SCENARIO: SINGLE SUBDOMAIN WITH MULTIPLE BOUNDED CONTEXTS

It leads to…

- Duplication

- Confusing language

SCENARIO: SINGLE BOUNDED CONTEXT FOR SEVERAL SUBDOMAINS

It leads to…

- Too much generalisation
- Complex model
- Difficult to scale

SMALL MODELS VS ENTERPRISE MODEL

- Small models that evolve iteratively
- Concrete models that define specific business concepts precisely

HOW DOES MY ORGANIZATION START?

- Small teams with business experts inside the teams
- Agree an ubiquitous language for each bounded context

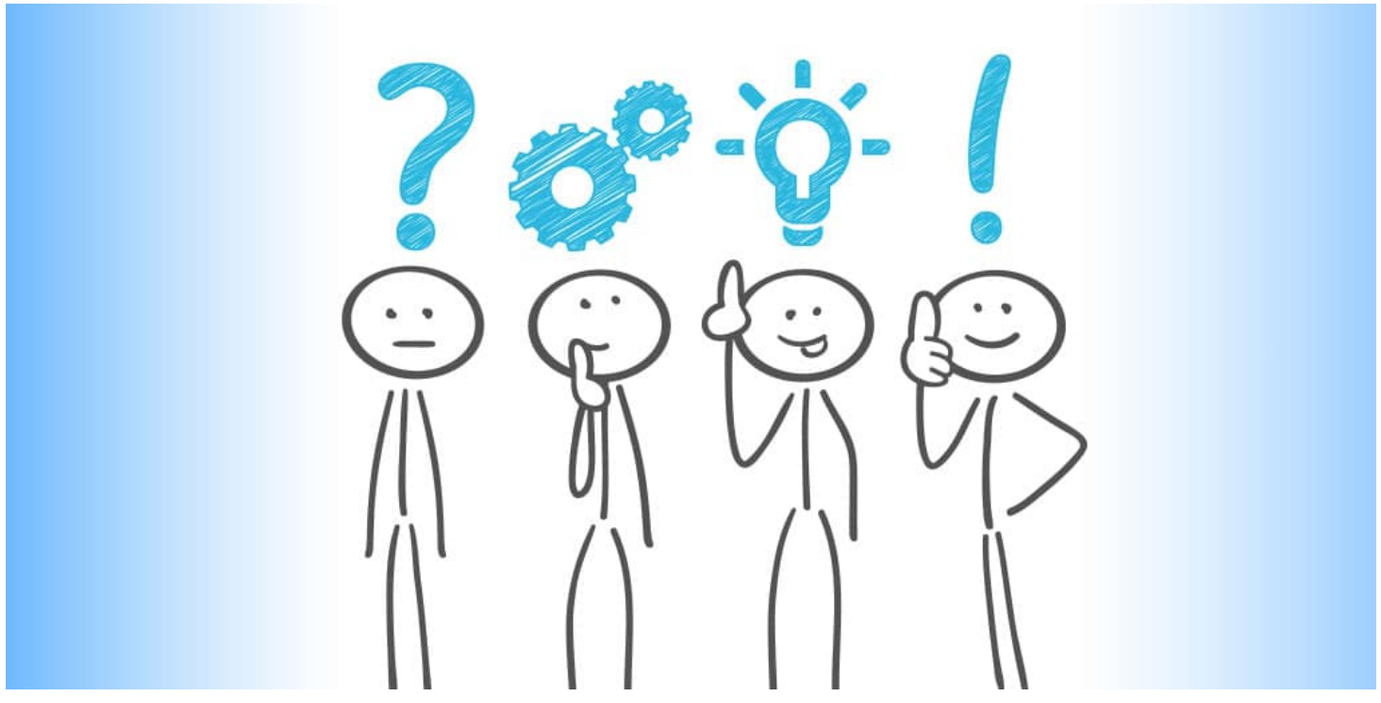
HOW DOES MY ORGANIZATION START?

- Teams oriented to create specific well crafted models for each bounded context
- Teams collaboration to integrate the different bounded contexts

RESOURCES

- jesus-salas-j.github.io
- martinfowler.com/tags/domain%20driven%20design.html
- Books:
  - Implementing Domain Driven Design (Vaughn Vernon)
  - Domain Driven Design: Tackling Complexity in the Heart of Software (Eric Evans)
  - Domain Driven Design Distilled (Vaughn Vernon)
  - Patterns, principles and practices of Domain Driven Design (Scott Millet and Nick Tune)

COMING SOON…

Thanks!

QUESTIONS AND DISCUSSION