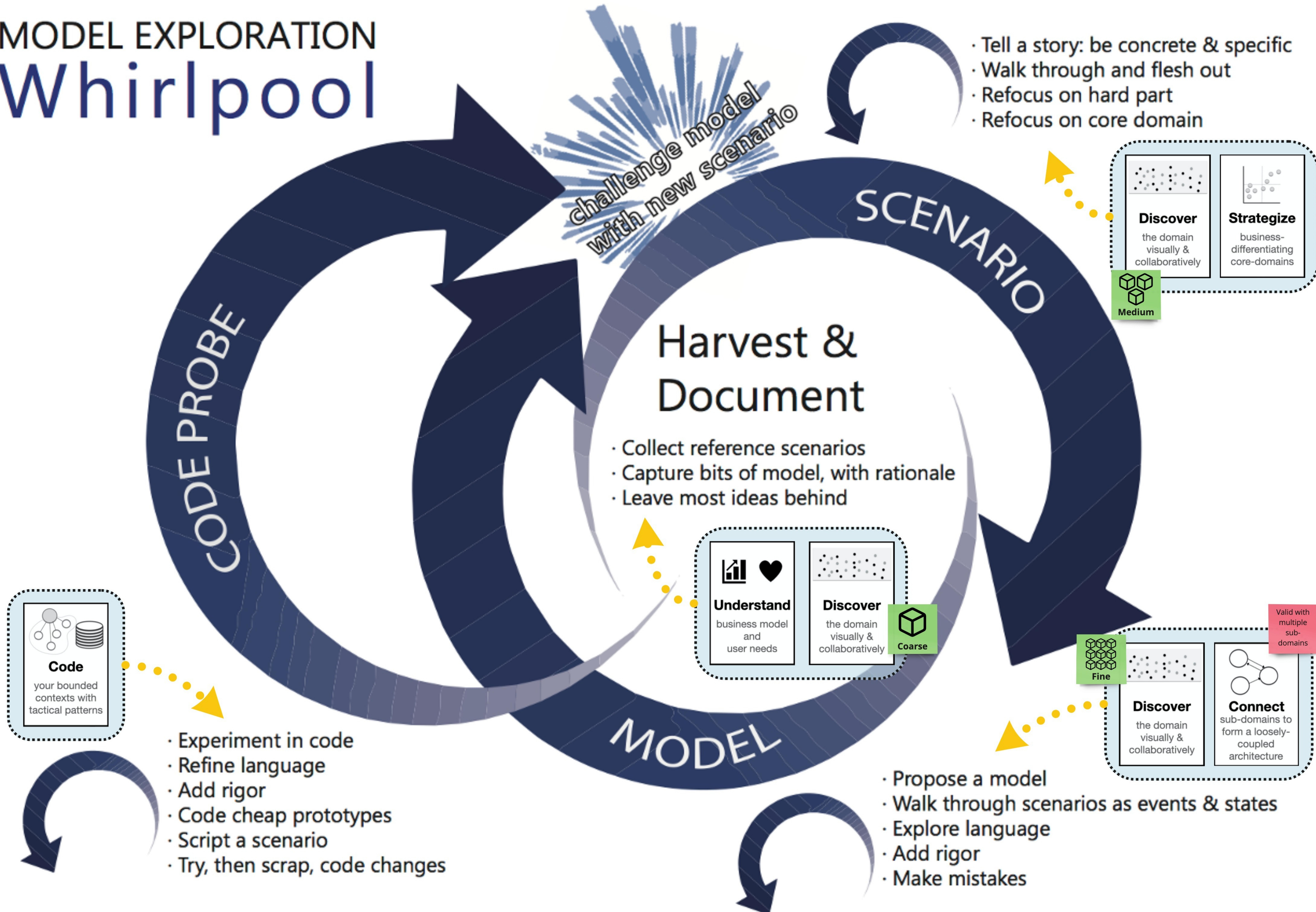


# MODEL EXPLORATION Whirlpool



NAME	STATE TRANSITIONS			
DESCRIPTION	1	2	3	
THROUGHPUT	Avg	Max	Enforced Invariants	Corrective Policies
COMMAND HANDLING RATE				
TOTAL NUMBER OF CLIENTS				
CONCURRENCY CONFLICT CHANCE		8		4
SIZE	Avg	Max	HANDLED COMMANDS	CREATED EVENTS
EVENT GROWTH RATE				
LIFETIME OF A SINGLE INSTANCE				
NUMBER OF EVENTS PERSISTED		9		6

## Purpose

What benefits does this context provide, and how does it provide them? Describe the purpose from a business perspective

## Strategic Classification

### Domain

- core
- supporting
- generic
- other?

### Business Model

- revenue
- engagement
- compliance
- cost reduction

### Evolution

- genesis
- custom built
- product
- commodity

## Domain Roles

### Role Types

- draft context
- execution context
- analysis context
- gateway context
- other

## Inbound Communication

### Collaborator

### Messages



## Outbound Communication

### Messages

### Collaborator



## Ubiquitous Language

Context-specific domain terminology

<Domain Term>  
<definition>

<Decision>

## Business Decisions

Key business rules, policies, and decisions

## Assumptions

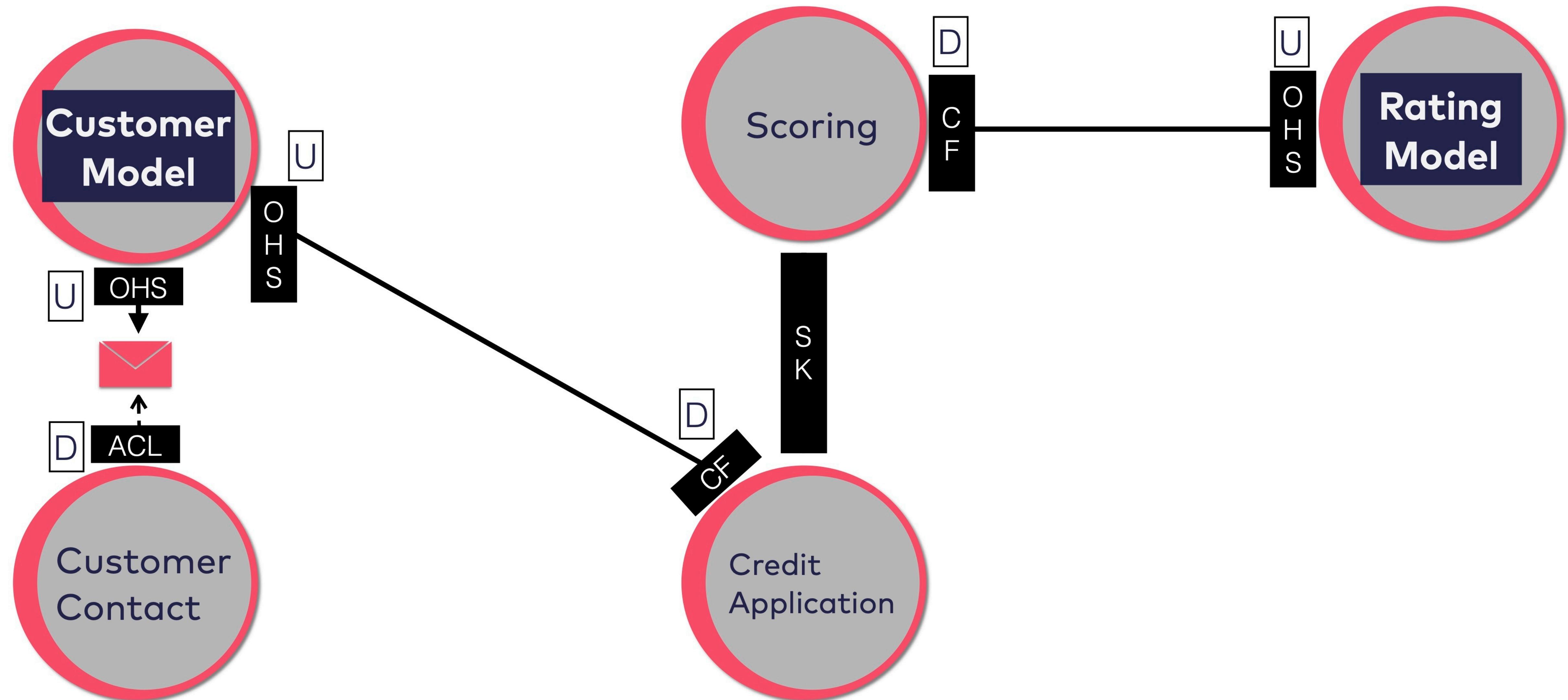
Describe which currently unverified assumptions went into this bounded context design. Make those assumptions explicit by documenting them here

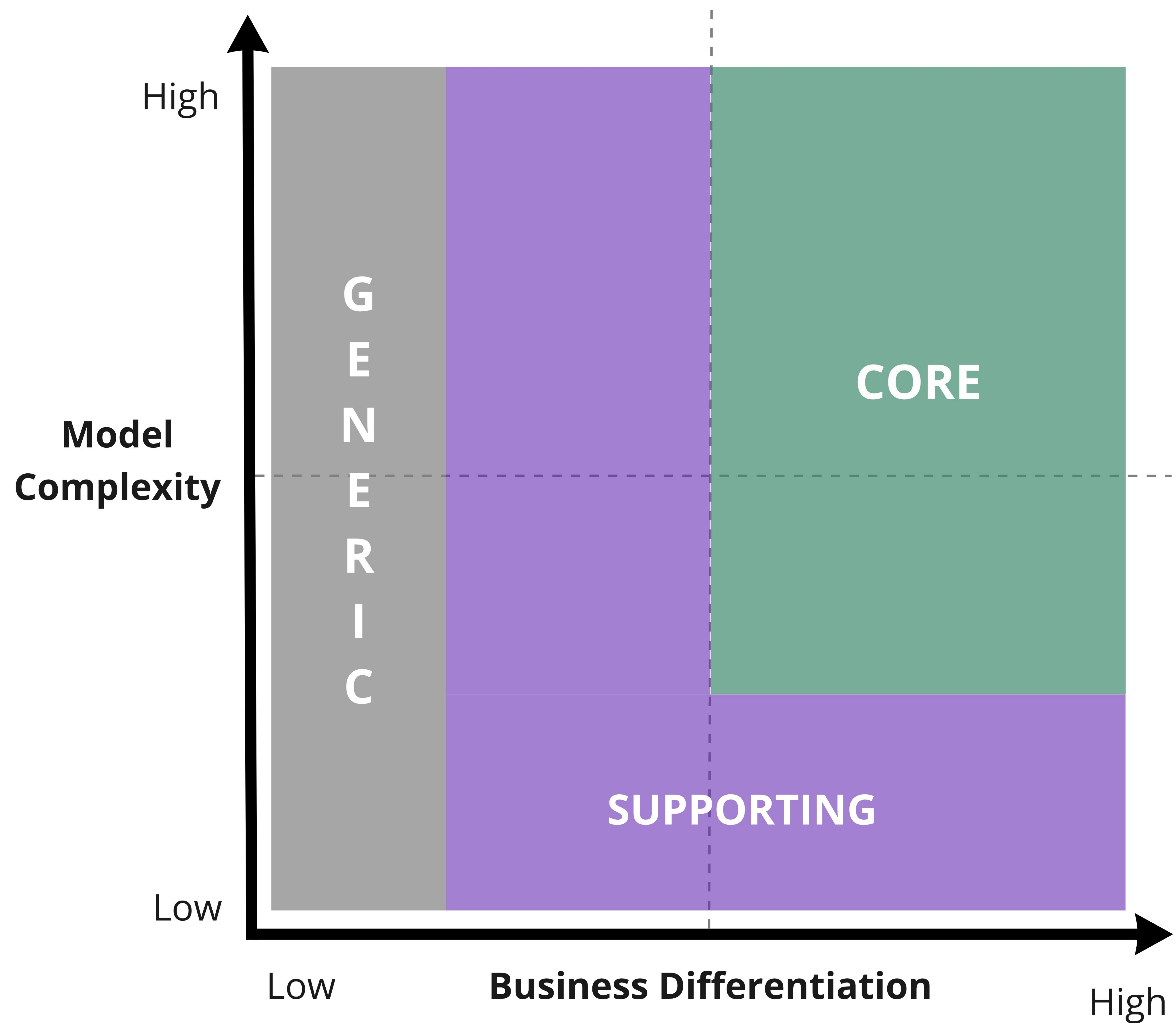
## Verification Metrics

Describe metrics which can be used to (in)validate the current structure of this bounded context?

## Open Questions

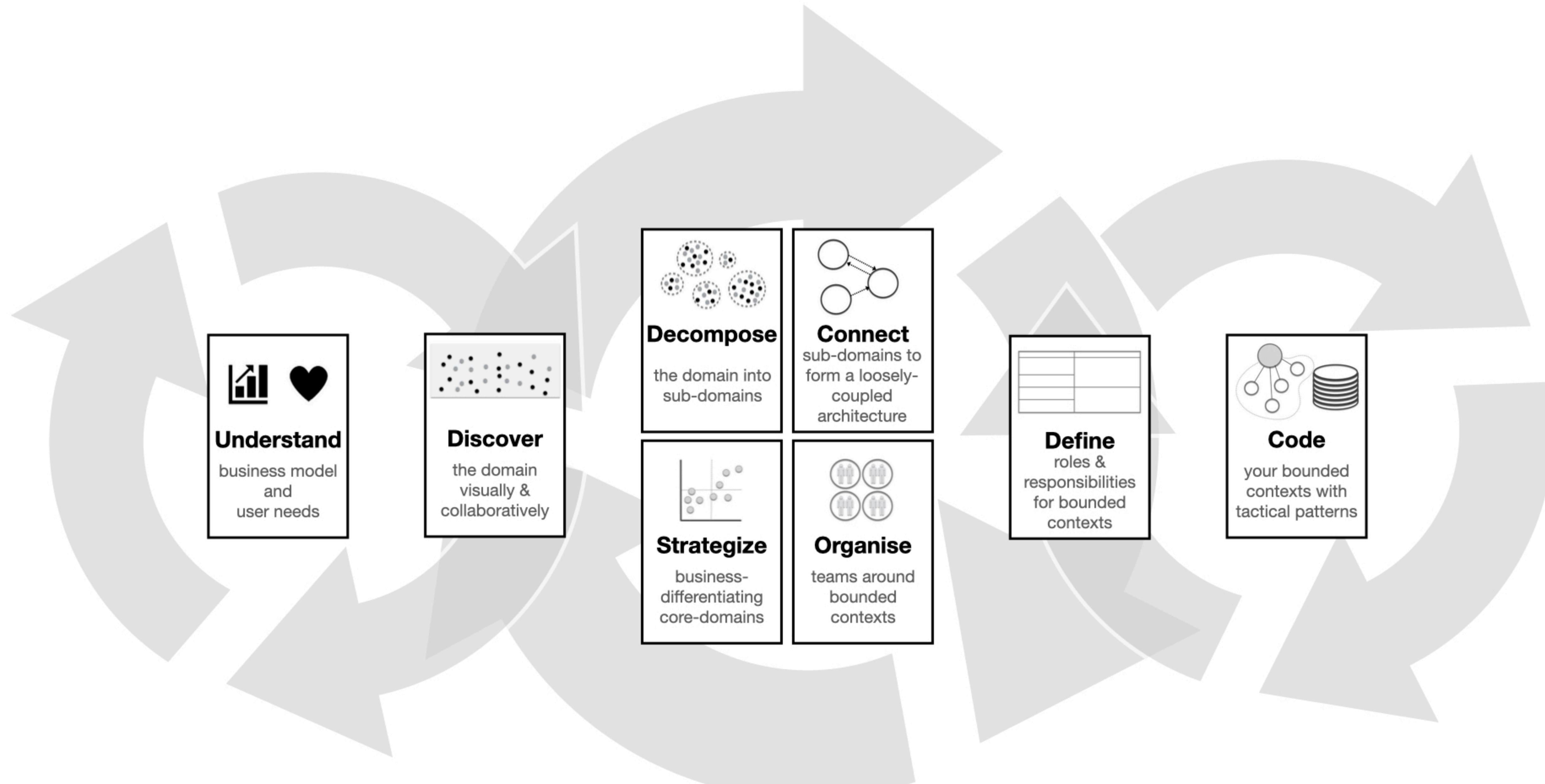
# The model propagation from hell





# Domain-Driven Design Starter Modelling Process

A starter process for beginners, not a rigid best-practice. DDD is continuous, evolutionary, and iterative design.



## Notation



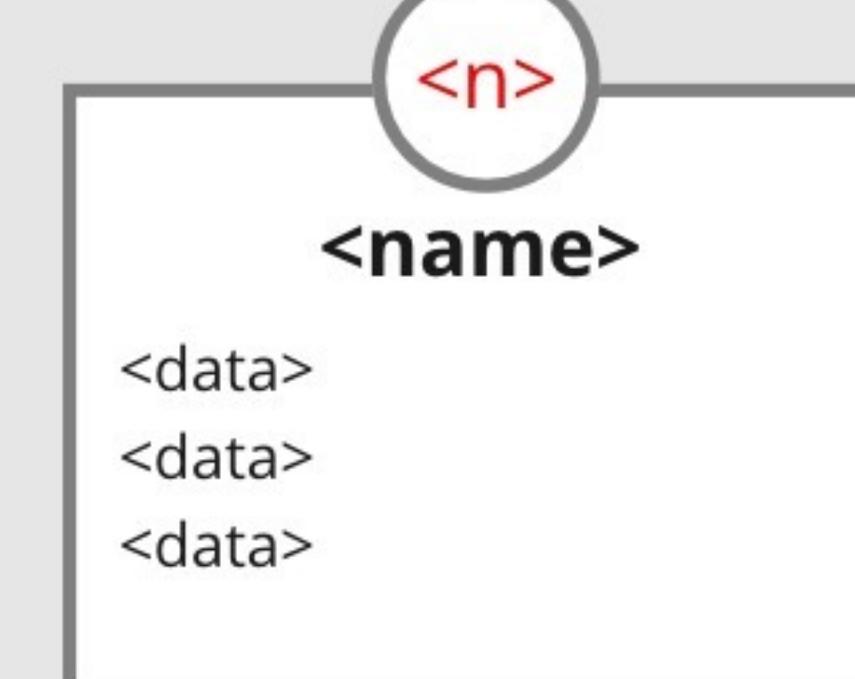
Actor / User /  
Persona



Bounded context



System

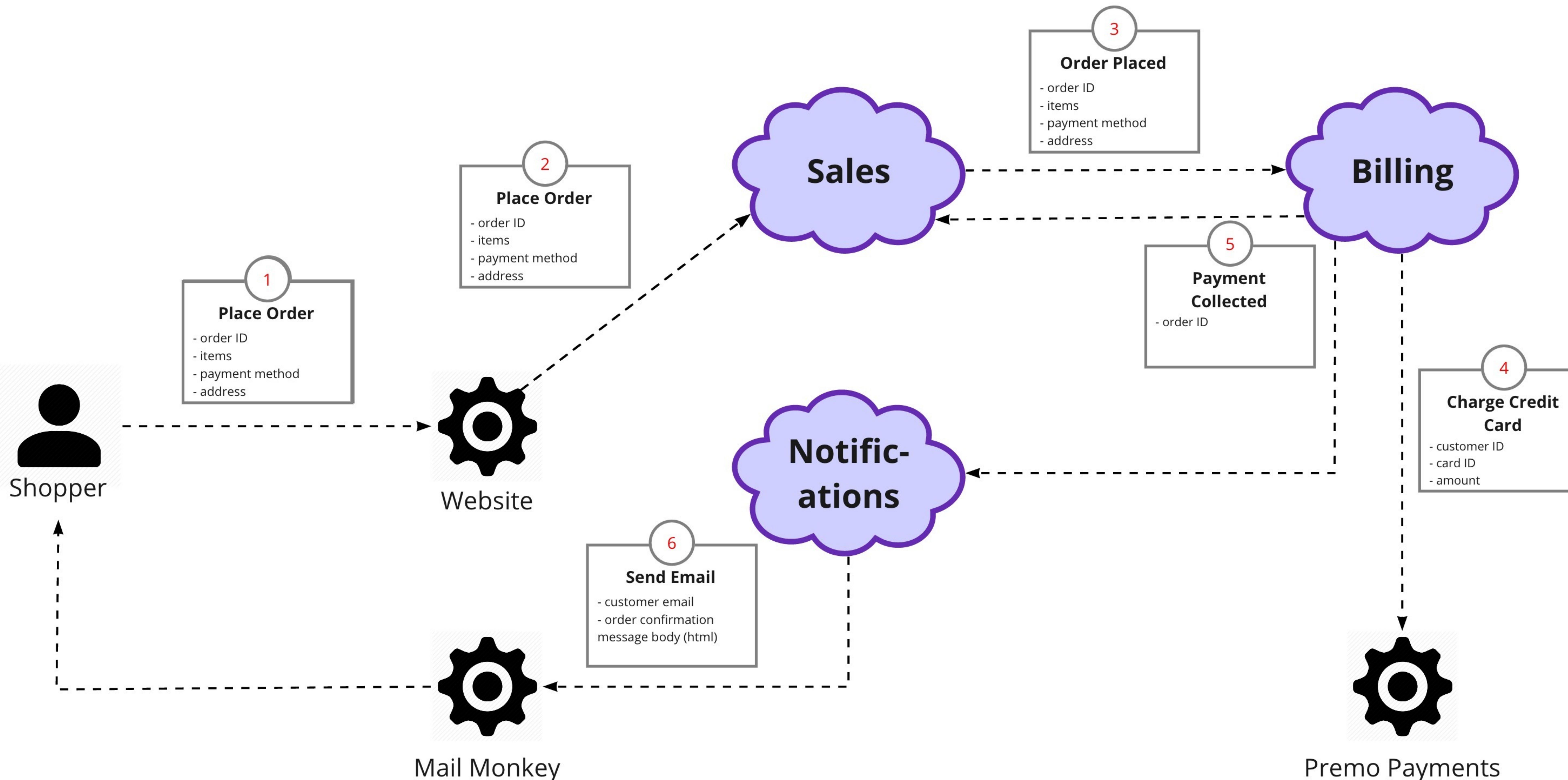


Message  
 $n = \text{order}$



Direction of message  
From sender to receiver

## Scenario: Placing an Online Order When All Items in Stock



## Name

## Model Traits

draft, execute, audit, enforcer, interchange, gateway, etc.

## Description

Summary of purpose and responsibilities

## Messages Consumed and Produced

### Messages Consumed

### Messages Produced

Commands  
Handled

Commands  
Sent

Events  
Handled

Events  
Published

Queries  
Handled

Queries  
Invoked

## Strategic Classification

### Domain

- Core
- Supporting
- Generic
- Other

### Business Model

- Revenue
- Engagement
- Compliance
- Cost reduction

### Evolution

- Genesis
- Custom built
- Product
- Commodity

## Business Decisions

Key business rules, policies, and decisions

## Dependencies and Relationships

### Message Suppliers

Name

Relationship

### Message Consumers

Name

Relationship

## Ubiquitous Language

Key domain terminology

## Description

What benefits does this context provide, and how does it provide them?

## Strategic Classification

### Domain

- core
- supporting
- generic
- other?

### Business Model

- revenue
- engagement
- compliance
- cost reduction

### Evolution

- genesis
- custom built
- product
- commodity

## Domain Roles

### Role Types

- draft context
- execution context
- analysis context
- gateway context
- other

## Inbound Communication

Collaborator

Messages



## Outbound Communication

Messages

Collaborator



## Ubiquitous Language

Context-specific domain terminology

<Domain Term>  
<definition>

## Business Decisions

Key business rules, policies, and decisions

<Decision>

TRA

(THANKS TO

ALLORA 

Buffet

Reminder is  
sent out  
before training  
starts

TRAINING

BUDGET &  
NOTICE Cc

WEATHER  
FORCAST  
SHARED

HOTEL SELECTED  
AND  
TRAINER  
ROOM  
RESERVED

TRAINING  
TRAVEL  
BOOKED

FLIGHTS WEBSITE  
-----  
TRAINS WEBSITE

HOTEL  
B&B

CATERING  
COMPANY  
SELECTED

LEO  
WORKSHOP  
DATE ED.  
ANNOUNCED

Announce  
JETTE

INFO

DATA

INFO

INFO

INFO

INFO

INFO

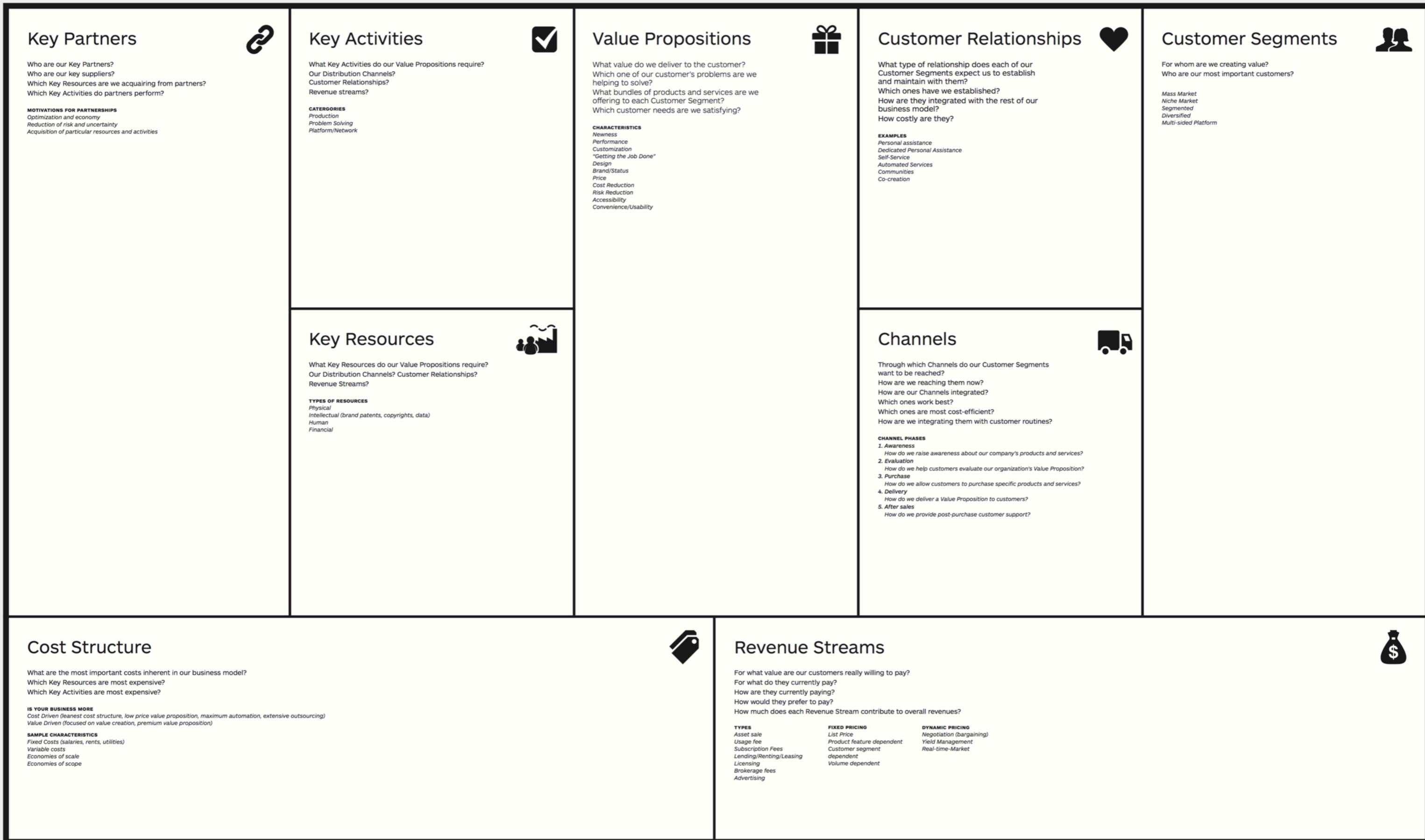
# The Business Model Canvas

Designed for:

Designed by:

Date:

Version:



DESIGNED BY: Business Model Foundry AG  
The makers of Business Model Generation and Strategyzer

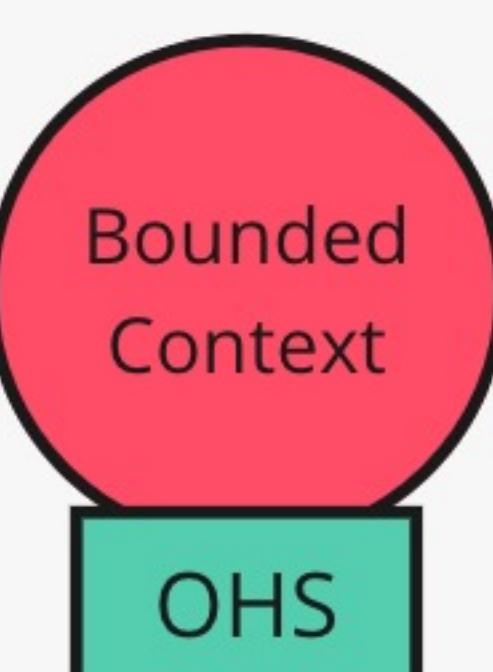
This work is licensed under the Creative Commons Attribution-Share Alike 3.0 Unported License. To view a copy of this license, visit:  
<http://creativecommons.org/licenses/by-sa/3.0/> or send a letter to Creative Commons, 171 Second Street, Suite 300, San Francisco, California, 94105, USA.

# Context Map Cheat Sheet

## Context Map Patterns

### Open / Host Service

A Bounded Context offers a defined set of services that expose functionality for other systems. Any downstream system can then implement their own integration. This is especially useful for integration requirements with many other systems. Example: public APIs.



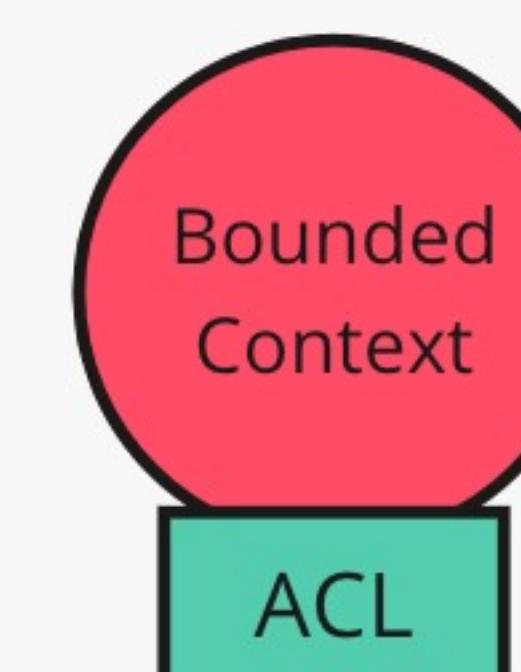
### Conformist

The downstream team conforms to the model of the upstream team. There is no translation of models. Couples the Conformist's domain model to another bounded context's model.



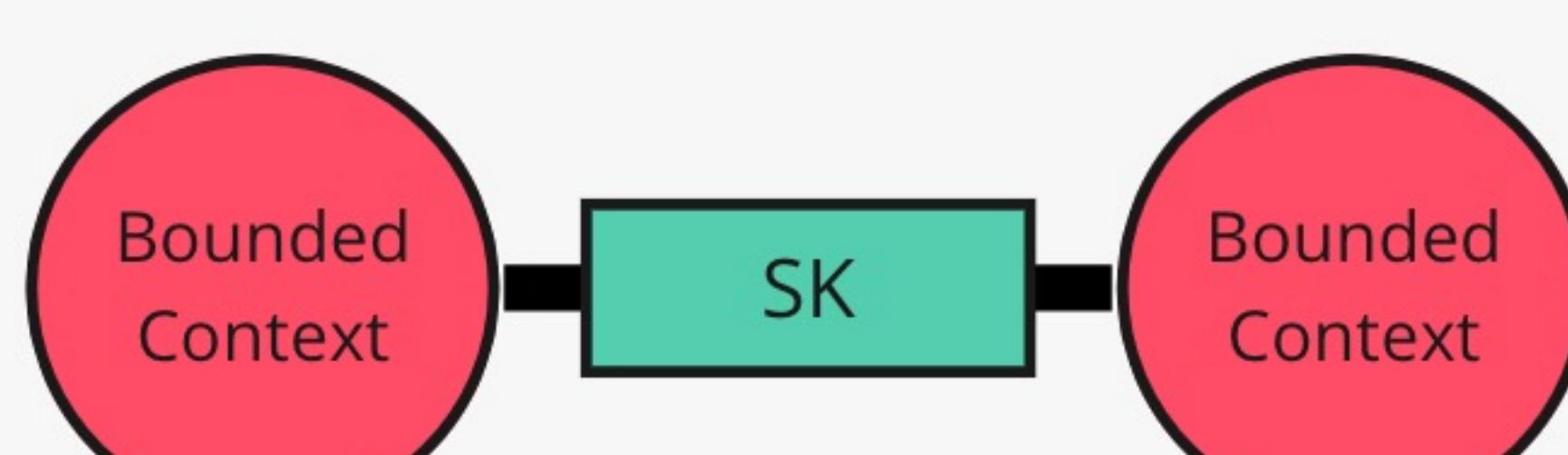
### Anticorruption Layer

The anticorruption layer is a layer that isolates a client's model from another system's model by translation. Only couples the integration layer (or adapter) to another bounded context's model but not the domain model itself.



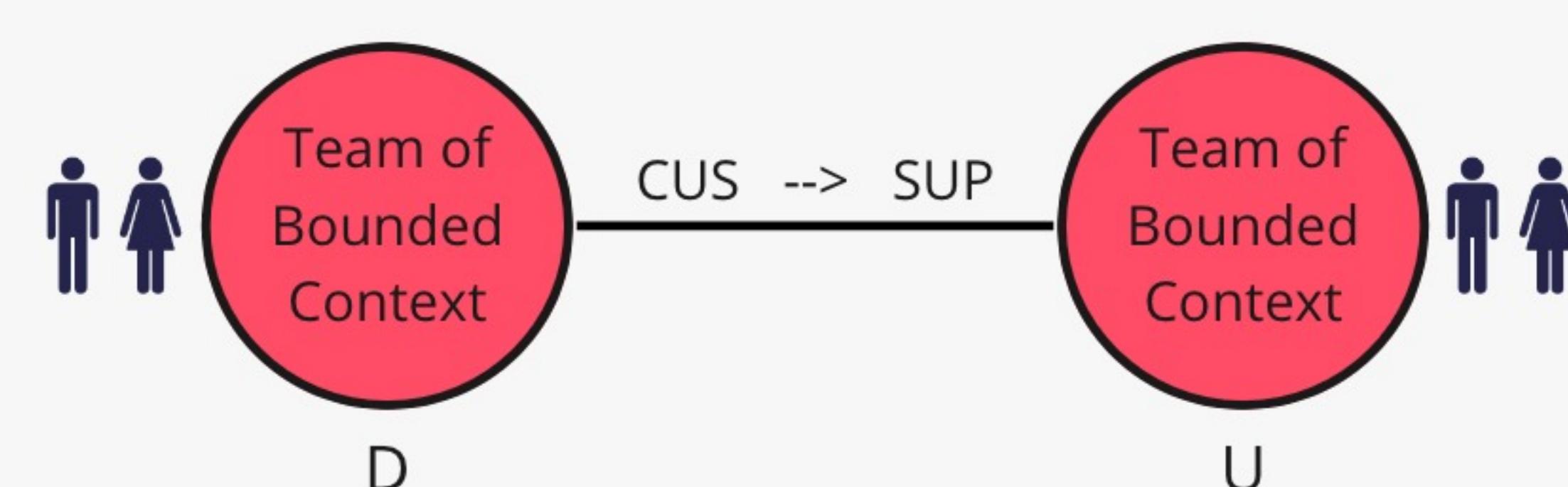
### Shared Kernel

Two teams share a subset of the domain model including code and maybe the database. Typical examples: shared JARs, DLLs or a shared database schema. Teams with a Shared Kernel are often mutually dependent and should form a Partnership.



### Customer / Supplier

There is a customer / supplier relationship between teams. The downstream team is considered to be the customer. Downstream requirements factor into upstream planning. Therefore, the downstream team gains some influence over the priorities and tasks of the upstream team.



### Partnership

Partnership is a cooperative relationship between two teams. These teams establish a process for coordinated planning of development and joint management of integration.



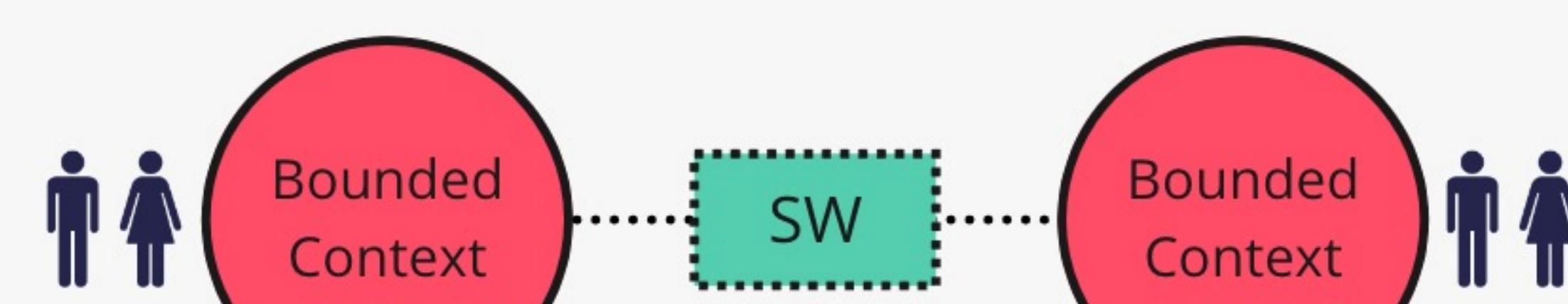
### Published Language

A Published Language is a well documented shared language between Bounded Contexts which can translate in and out from that language. Published Language is often combined with Open Host Service. Typical examples are iCalendar or vCard.



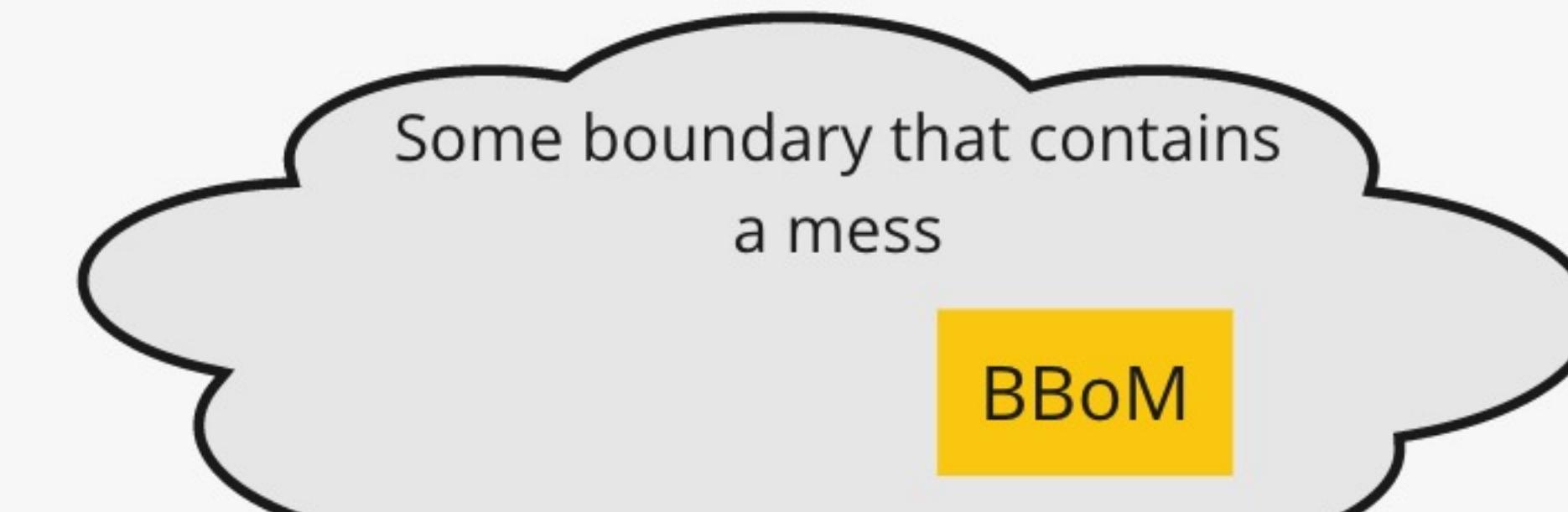
### Separate Ways

Bounded Contexts and their corresponding teams have no connections because integration is sometimes too expensive or it takes very long to implement. The teams chose to go separate ways in order to focus on their specific solutions.



### Big Ball Of Mud

A (part of a) system which is a mess by having mixed models and inconsistent boundaries. Don't let this lousy model propagate into the other Bounded Contexts. Big Ball Of Mud is a demarcation of a bad model or system quality.



## Team Relationships

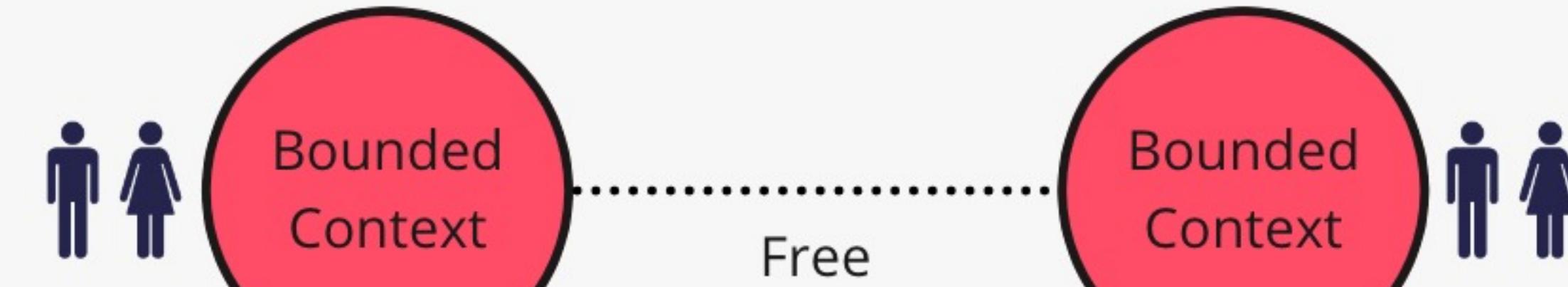
### Mutually Dependent

Two software artifacts or systems in two bounded contexts need to be delivered together to be successful and work. There is often a close, reciprocal link between data and functions between the two systems.



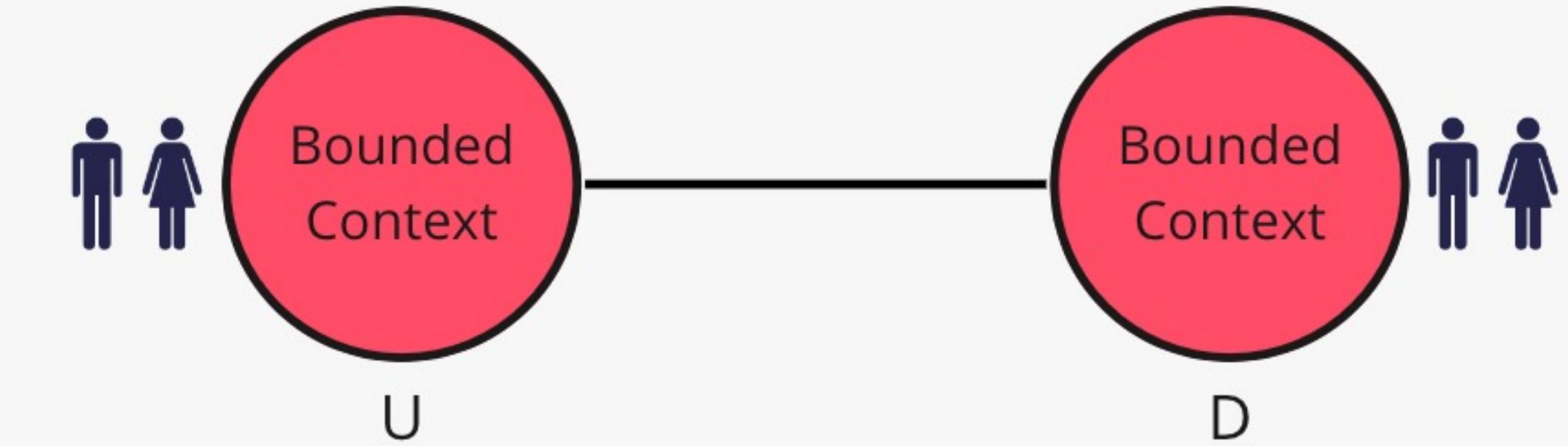
### Free

Changes in one bounded context do not influence success or failure in other bounded contexts. There is, therefore, no organizational or technical link of any kind between the teams.



### Upstream / Downstream

Actions of an upstream team will influence the downstream counterpart while the opposite might not be true. This influence can apply to code but also on less technical factors such as schedule or responsiveness to external requests.



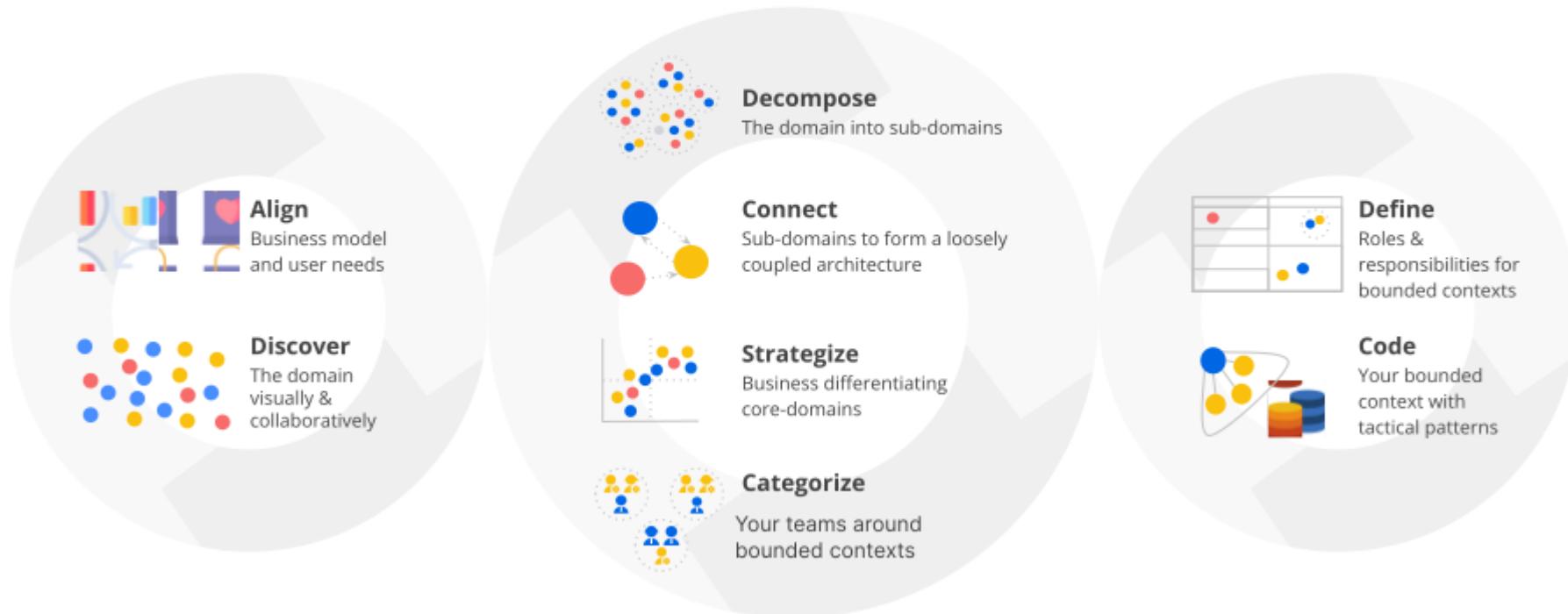
# Domain-Driven Design starter modeling process

A starter process for beginners, not a rigid best-practice. DDD is continuous, evolutionary and iterative design.



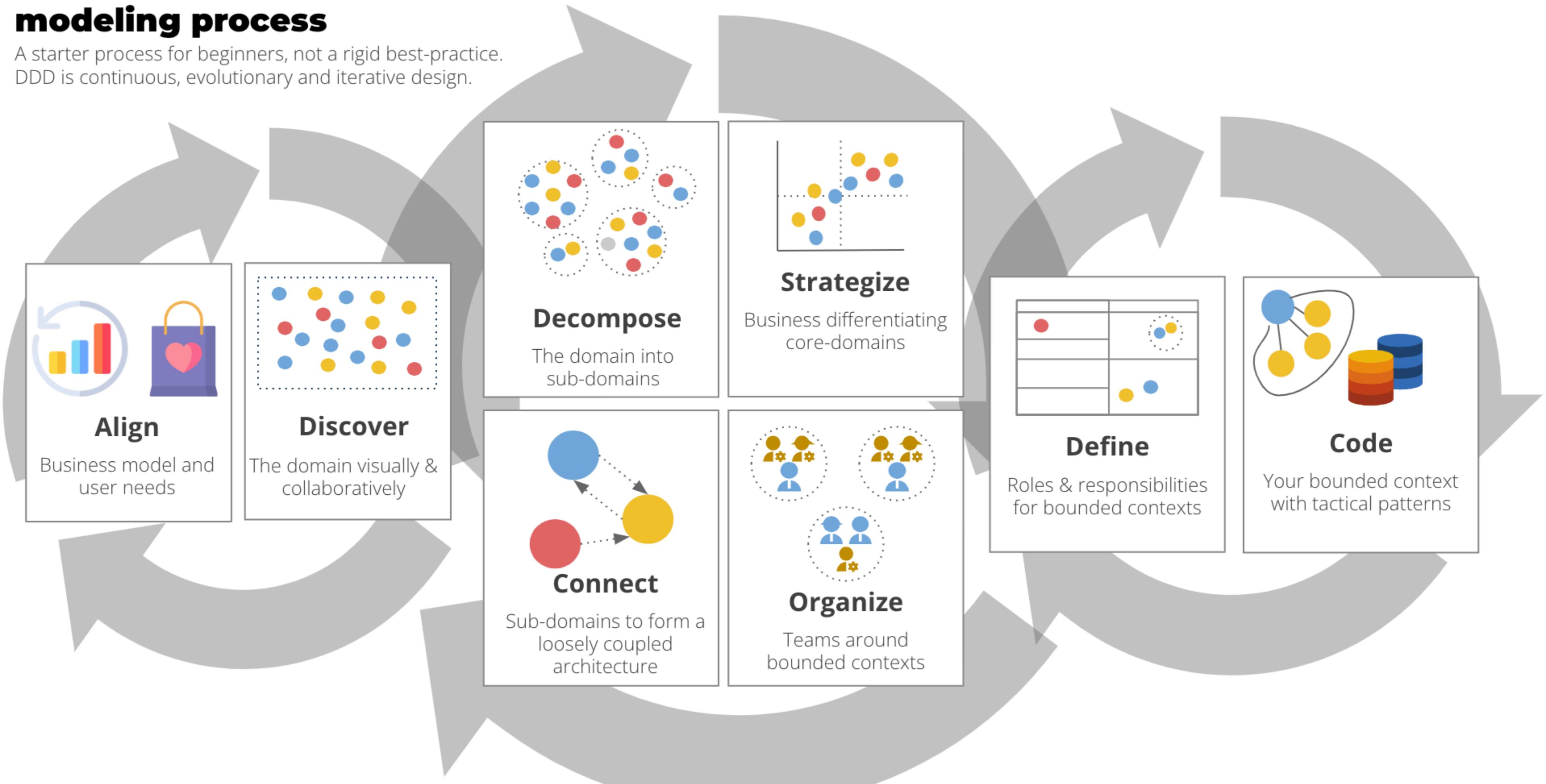
# Domain-Driven Design starter modeling process

A starter process for beginners, not a rigid best-practice. DDD is continuous, evolutionary and iterative design.

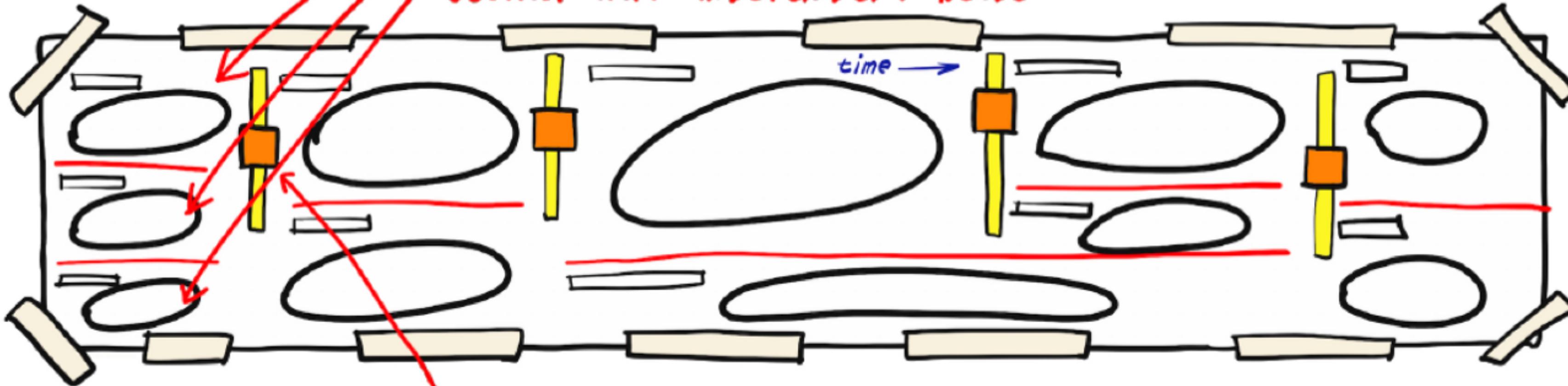


# Domain-Driven Design starter modeling process

A starter process for beginners, not a rigid best-practice.  
DDD is continuous, evolutionary and iterative design.



INDEPENDENT SWIMLINES  
USUALLY MEAN INDEPENDENT NEEDS



DATA COMING FROM DIFFERENT  
MODELS CAN EVENTUALLY BE MERGED DOWNSTREAM