

Imagine This...

You are like a full-blown
cutting ninja in the kitchen



However ...

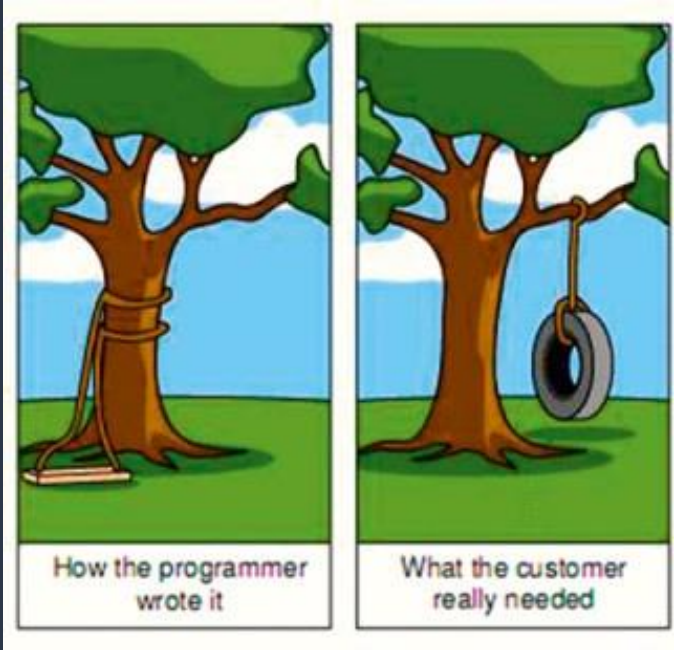
... what should we do
with all those veggies?

How is that useful?

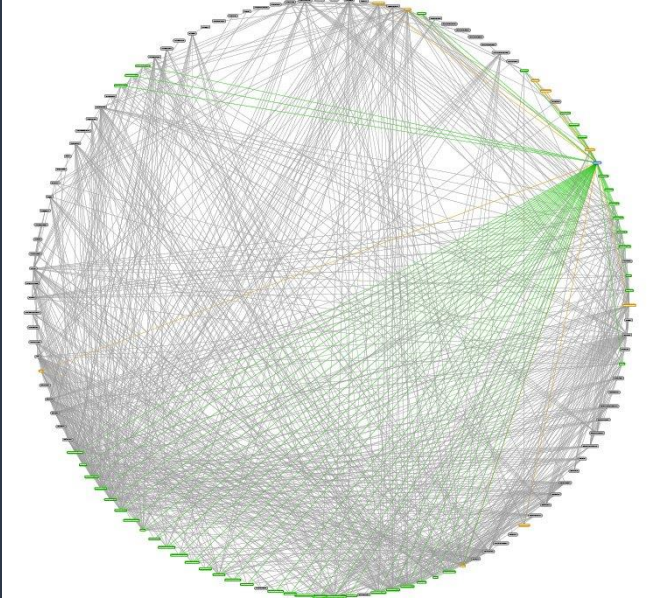


Sounds familiar?

Doing random stuff because...



Undiscovered customer needs



Overengineered architecture

What would happen if the big picture is clear?



Soffritto



Ragu Bolognese



Italian Cuisine

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**How can we achieve a
shared understanding?**

Domain Driven Kitchen Madness

A thought experiment for tasty solutions



AGENDA

Il menu

Primo

- Why Domain Driven Design?

Secondo

- We try to understand, analyze, slice and connect a domain with the help of an example

Dolce

- Takeaways and discussions



WHY DDD

What you'll walk away with

Build a shared picture with the people who know the domain

Slice a big problem into independent pieces teams can own

Decide where to invest, what to buy , what to outsource

WHY DDD

What you'll walk away with

Pasta cooking tricks (for the break)
and two of my favorite pasta recipes!

This is Me

Maurizio Rinder

Lead Software Developer @ SQUER

PASSIONATE ABOUT

- Architecture
- Domain Driven Design
- and CCC (Cooking, Climbing, Cats)



01

Why Domain Driven Design

The Tasty Example awaits you!

Takeaways

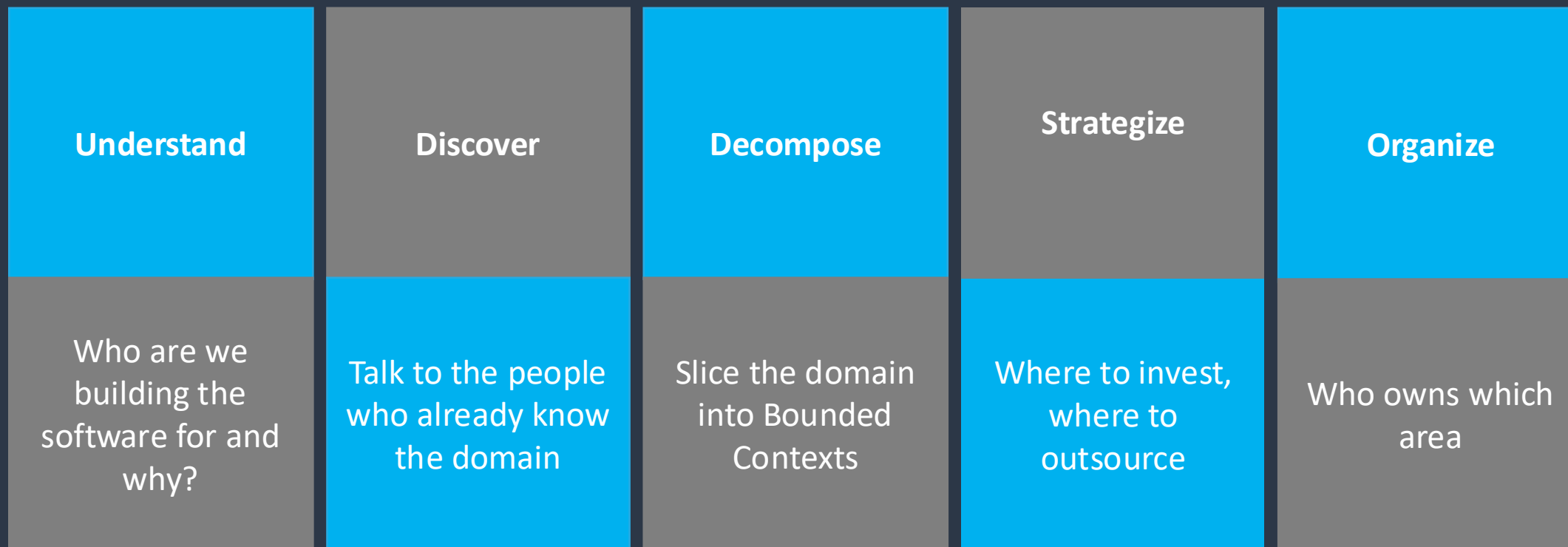
It is not the domain expert's knowledge that goes to production.

It is the **assumption** of the developers.

-- Alberto Brandolini

WHY DDD

What is driven by DDD

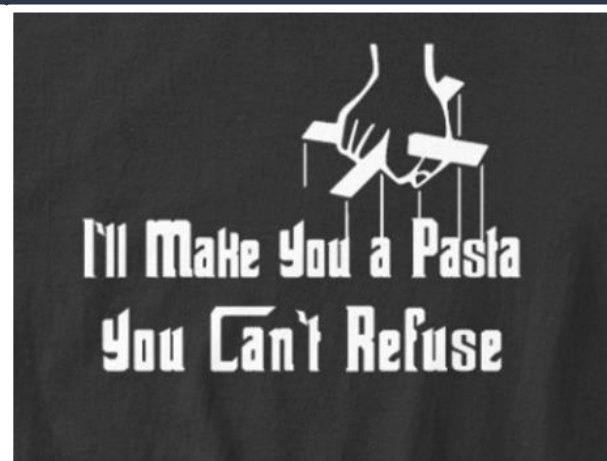


Why Domain Driven Design
Time to create a scene
Takeaways

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The Pasta Dinner - An Evening To Remember

One week ago ...



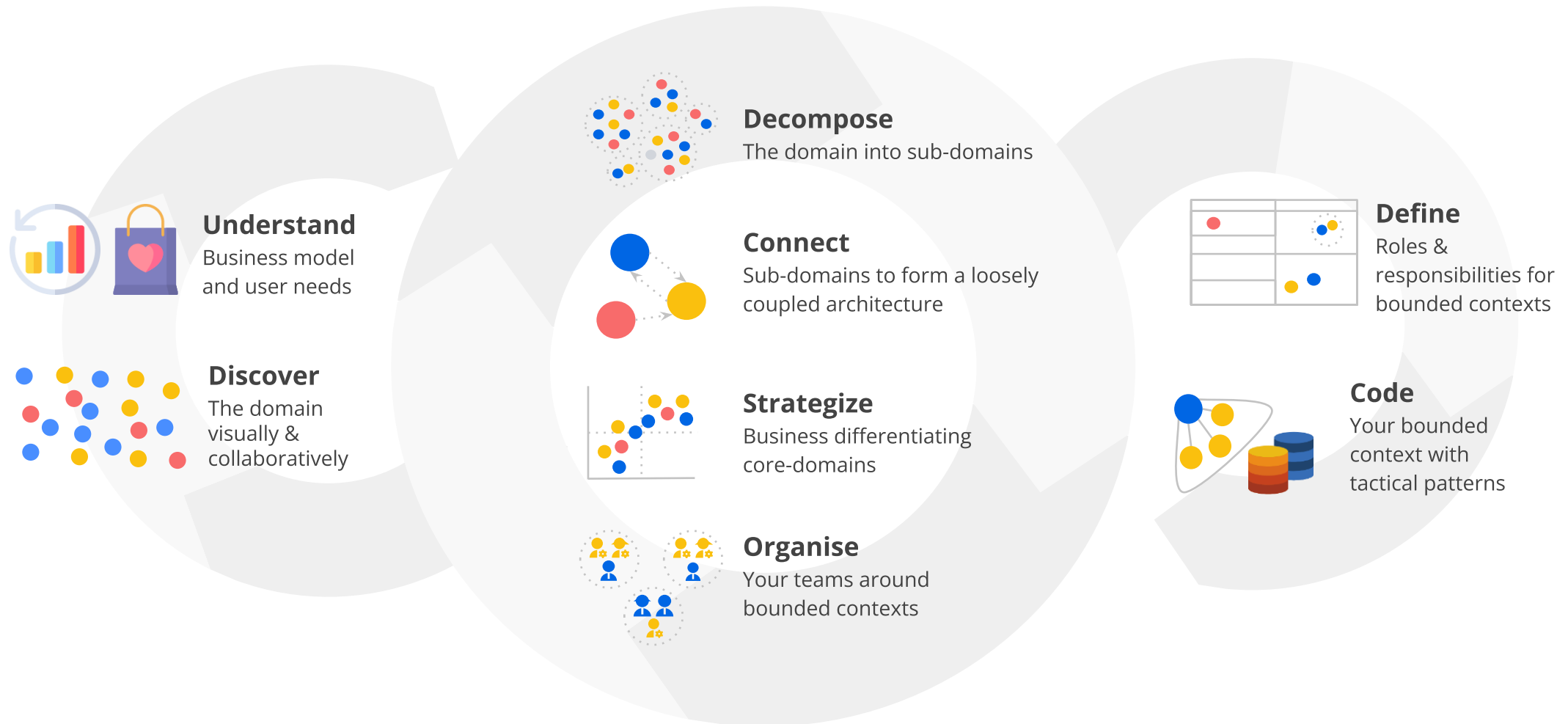
The next morning ...



What now?

Domain-Driven Design starter modeling process

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



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Understand

UNDERSTAND






What we do

- \\ Align with the organization's business model
- \\ Align with business' short-, mid- and longterm goals
- \\ Analyze optimal business impact



UNDERSTAND

Start with a Product Vision

 VISION What is the reason for creating the product? What positive change should it create?			
 TARGET GROUP Which market or market segment does the product address? Who are the target customers and users?	 NEEDS What problem does the product solve or which benefit does it offer? If you identify several needs, prioritise them and move the most important one to the top.	 PRODUCT What product is it? What are its three to five stand-out features that set it apart from competing offering? Is it feasible to develop the product?	 BUSINESS GOALS How will the product benefit the company that develops and provides it? What are the desired business benefits? Prioritise them and move the most important one to the top.

UNDERSTAND

Product Vision

VISION

- \ I gonna make my friends a pasta they cant refuse

TARGET GROUP

- \ My good friends who never had a great pasta dish in their lives

NEEDS

- \ Only visit cheap Italian restaurants
- \ Find Italian cuisine boring and repetitive

PRODUCT

- \ Well made pasta that is well combined with the sauce
- \ Matching beverages with the meal
- \ Nice surrounding vibe

BUSINESS GOALS

- \ My friends like the food so much they come back for more
- \ My friends share the experience with others

UNDERSTAND

Additional techniques

BUSINESS MODEL CANVAS

\ Link:

<https://www.strategyzer.com/library/the-business-model-canvas>

IMPACT MAPPING

\ Link:

<https://www.impactmapping.org/>

WARDLEY MAPPING

\ Link:

<https://learnwardleymapping.com/>

USER STORY MAPPING

\ Link:

<https://jpattonassociates.com/story-mapping/>

UNDERSTAND

In addition to support the example

Ask for their preferences

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Discover

DISCOVER

What we do

- Get familiar with the organization's domain
- Learn their processes
- Learn important terms



DISCOVER

Where to start?



Talk to domain experts

Best chefs in the world



DISCOVER

Domain Storytelling



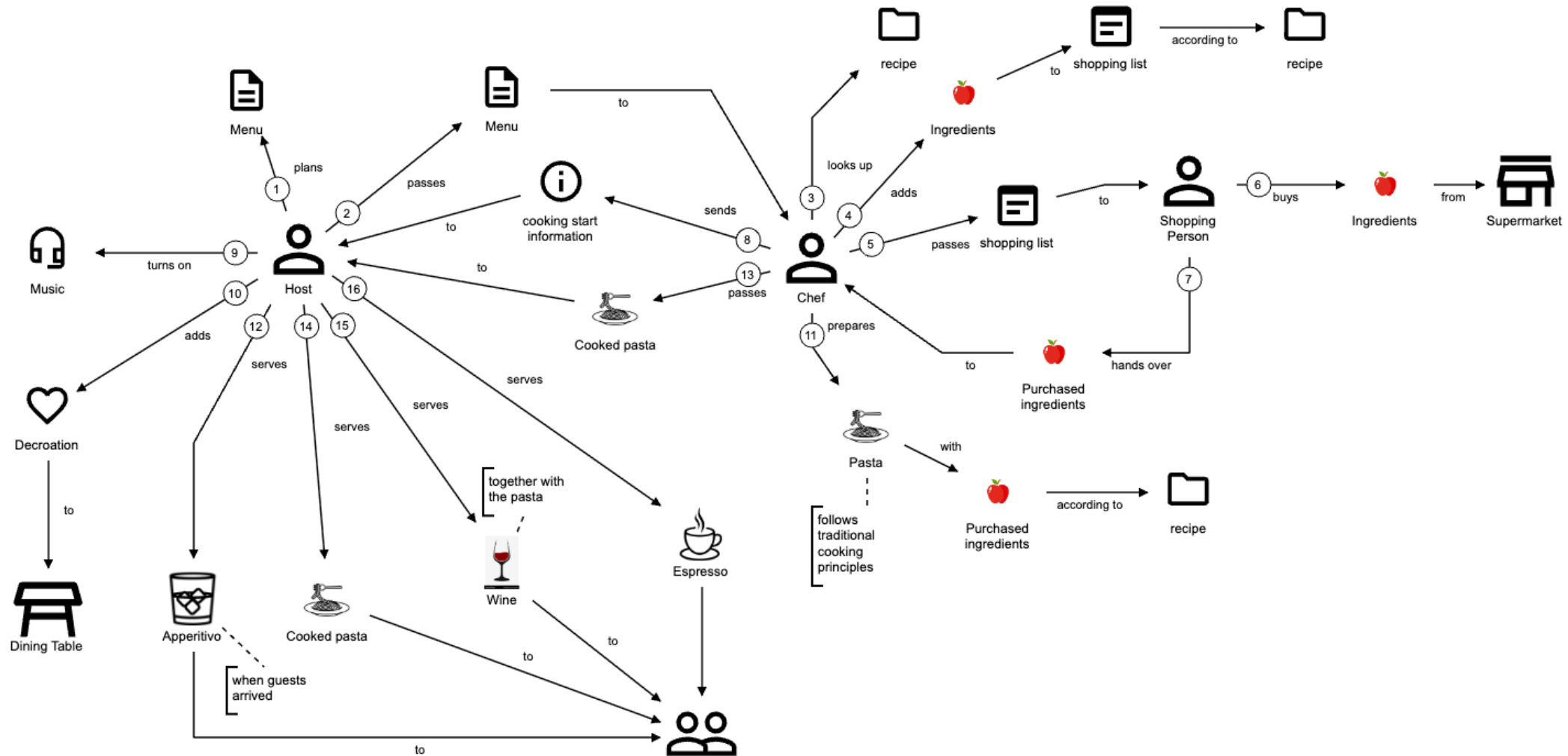
Domain Storytelling

Spark a fire. Tell a story. Paint a picture

DISCOVER

Pasta dinner with friends - as-is - pure

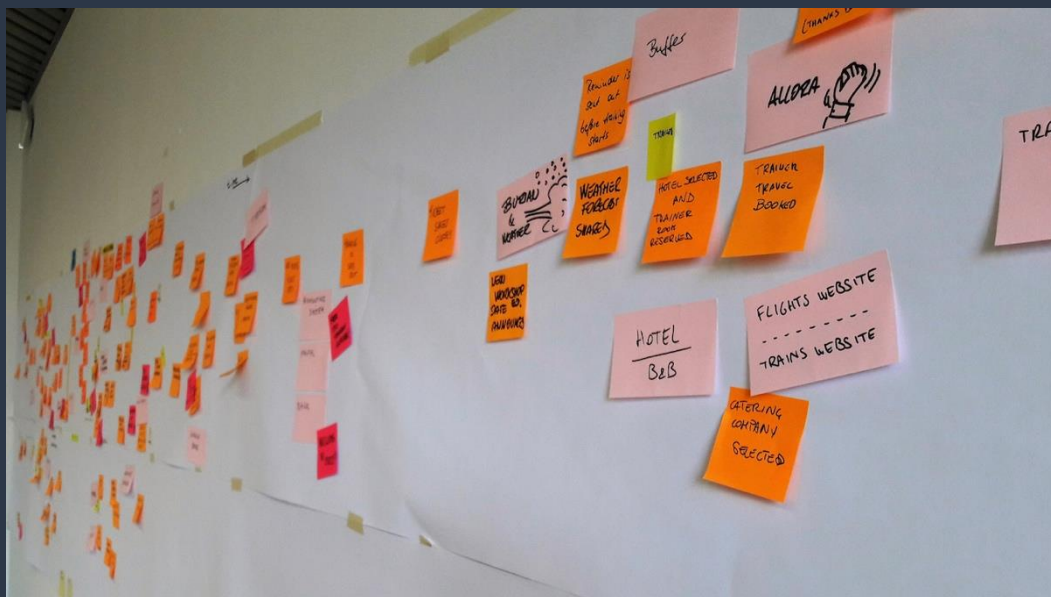
for simplicity no other dishes are prepared



DISCOVER

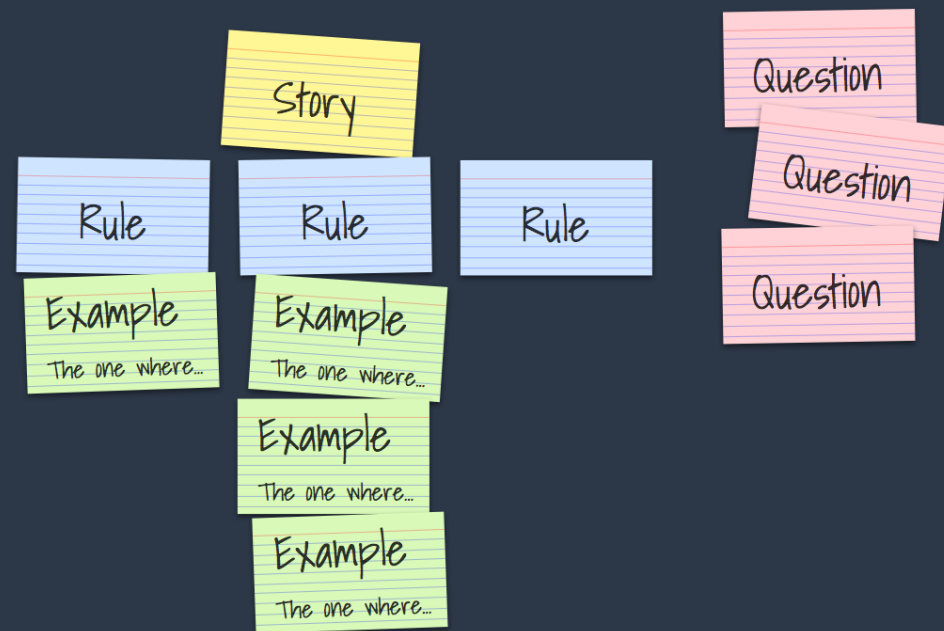
Additional Techniques

Event Storming



[Link](#)

Example Mapping



[Link](#)

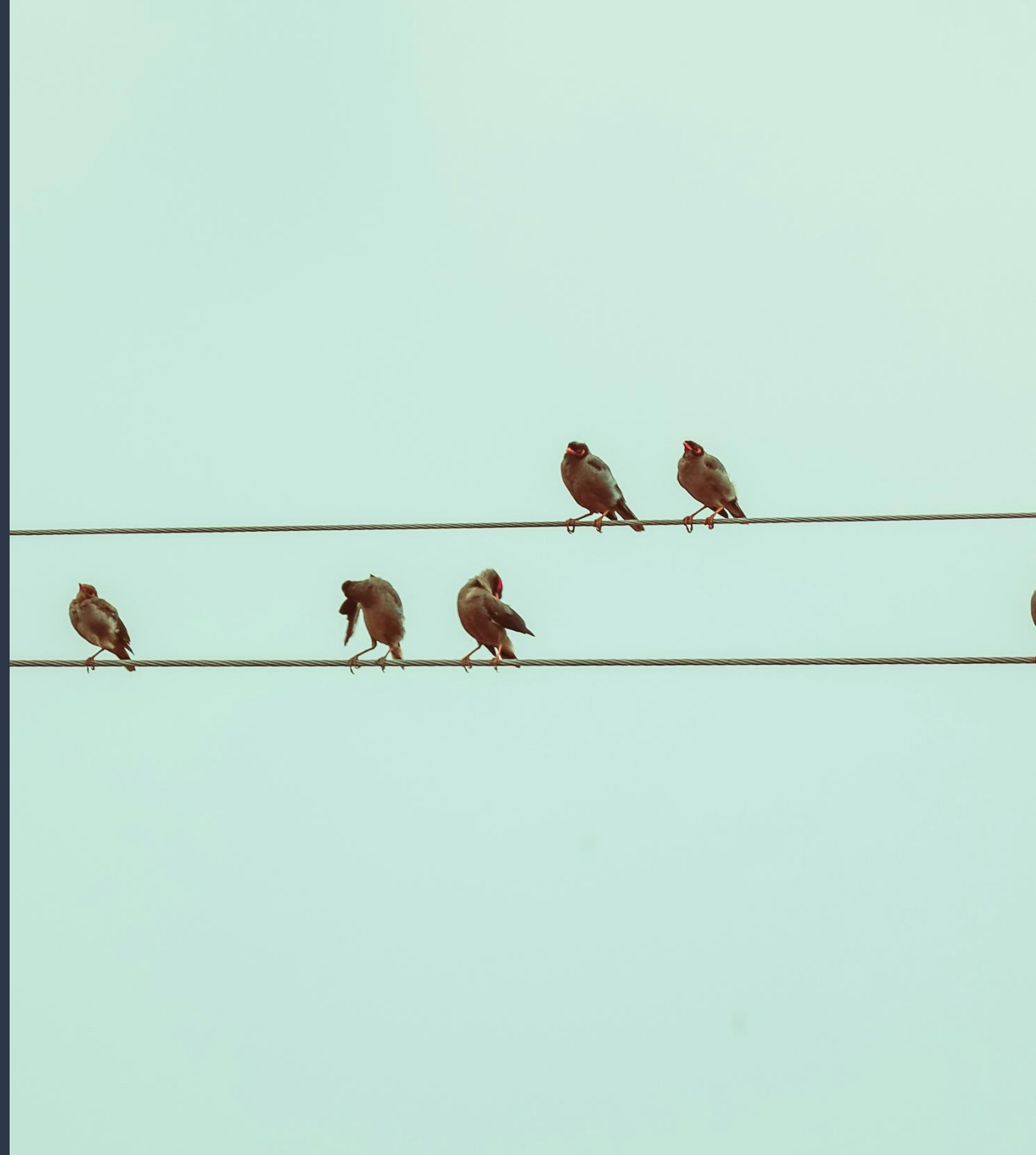
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Decompose

DECOMPOSE

What we do

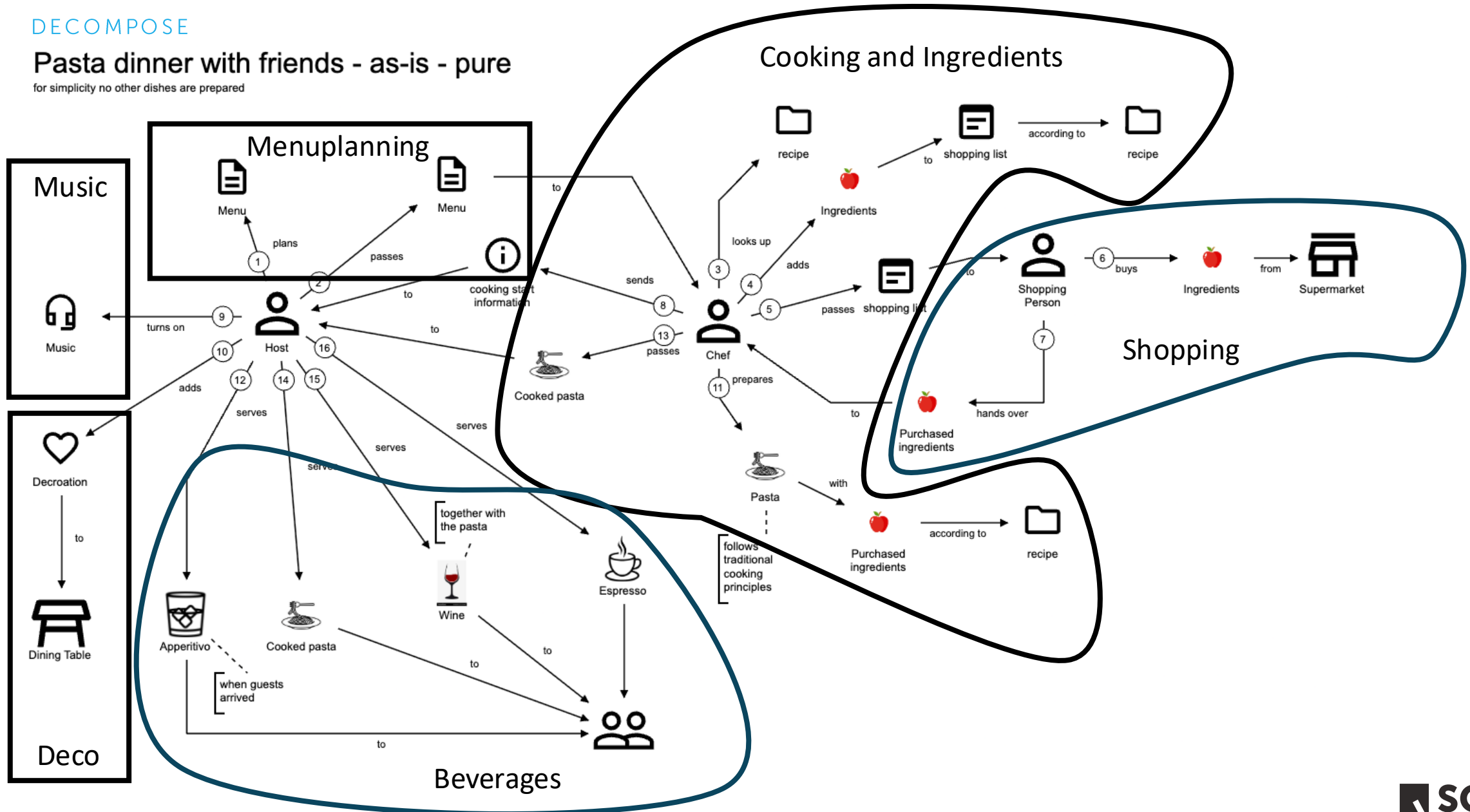
- \\ Decompose into subdomains
- \\ Reduction of cognitive load
- \\ Establish team autonomy



DECOMPOSE

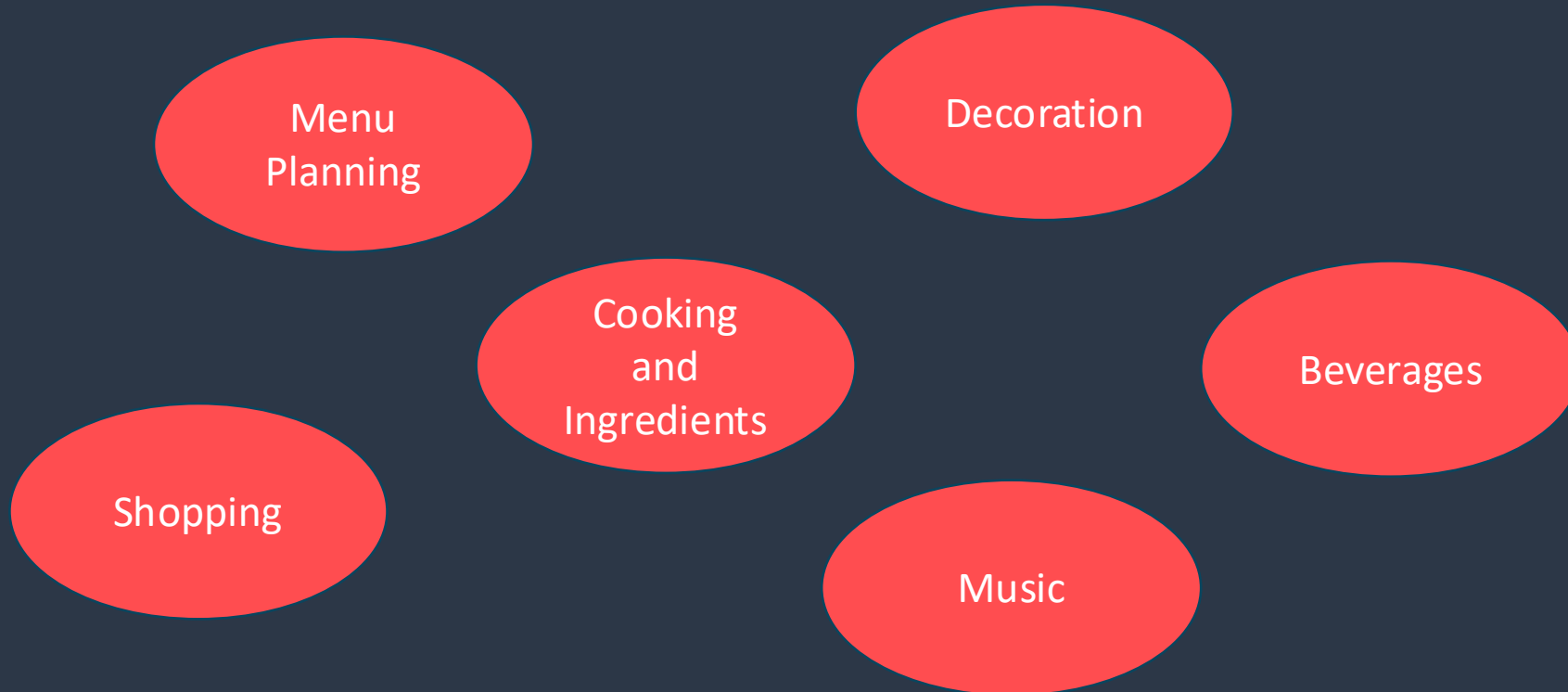
Pasta dinner with friends - as-is - pure

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DECOMPOSE

The resulting subdomains



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Strategize

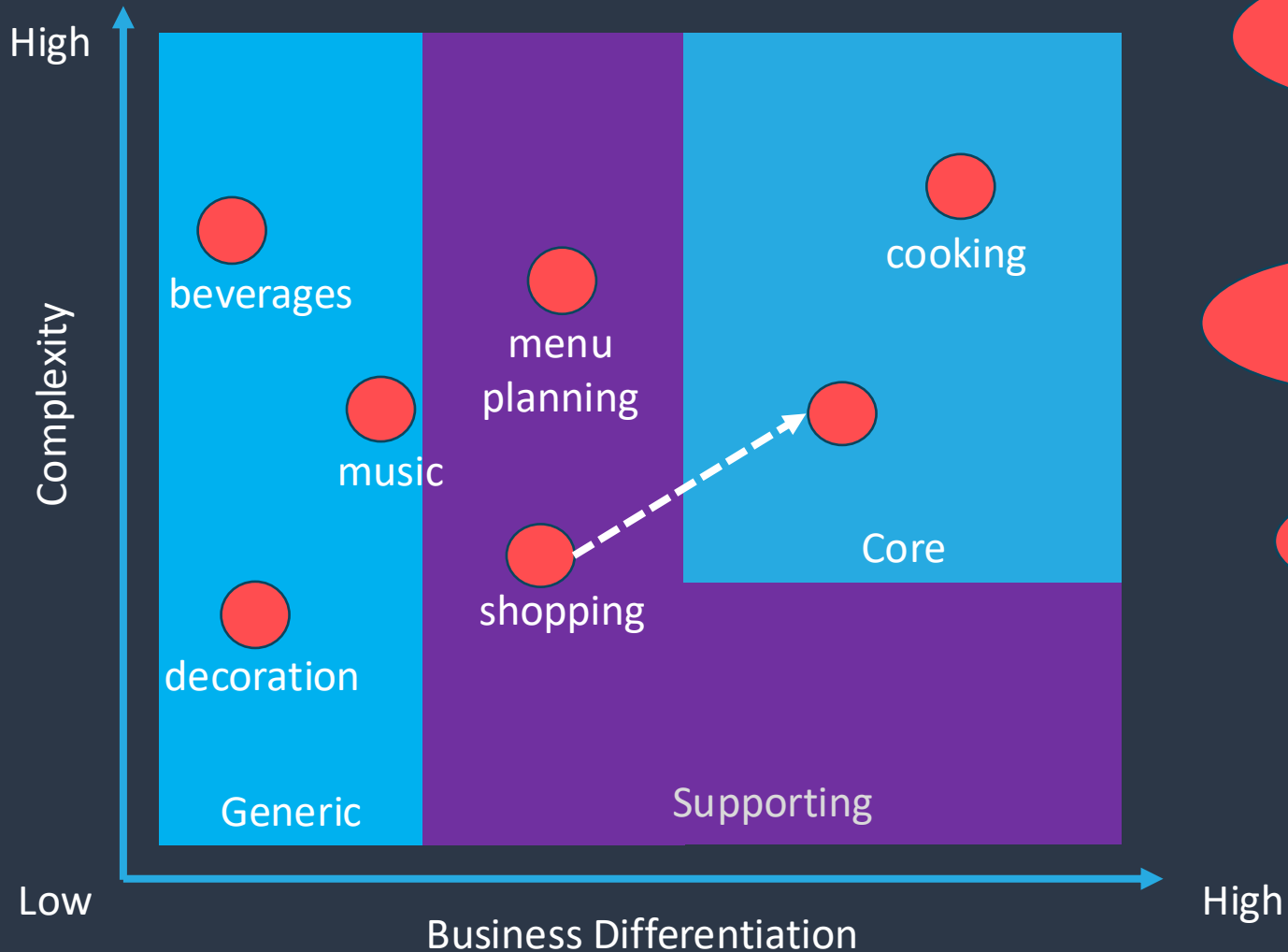
STRATEGIZE

What we do

- \\ Identify core domains
- \\ Helps to decide on where to invest resources
- \\ Helps to decide what needs to be built, bought or can be outsourced



Classify Domains – Core Domain Chart



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Organize

ORGANIZE

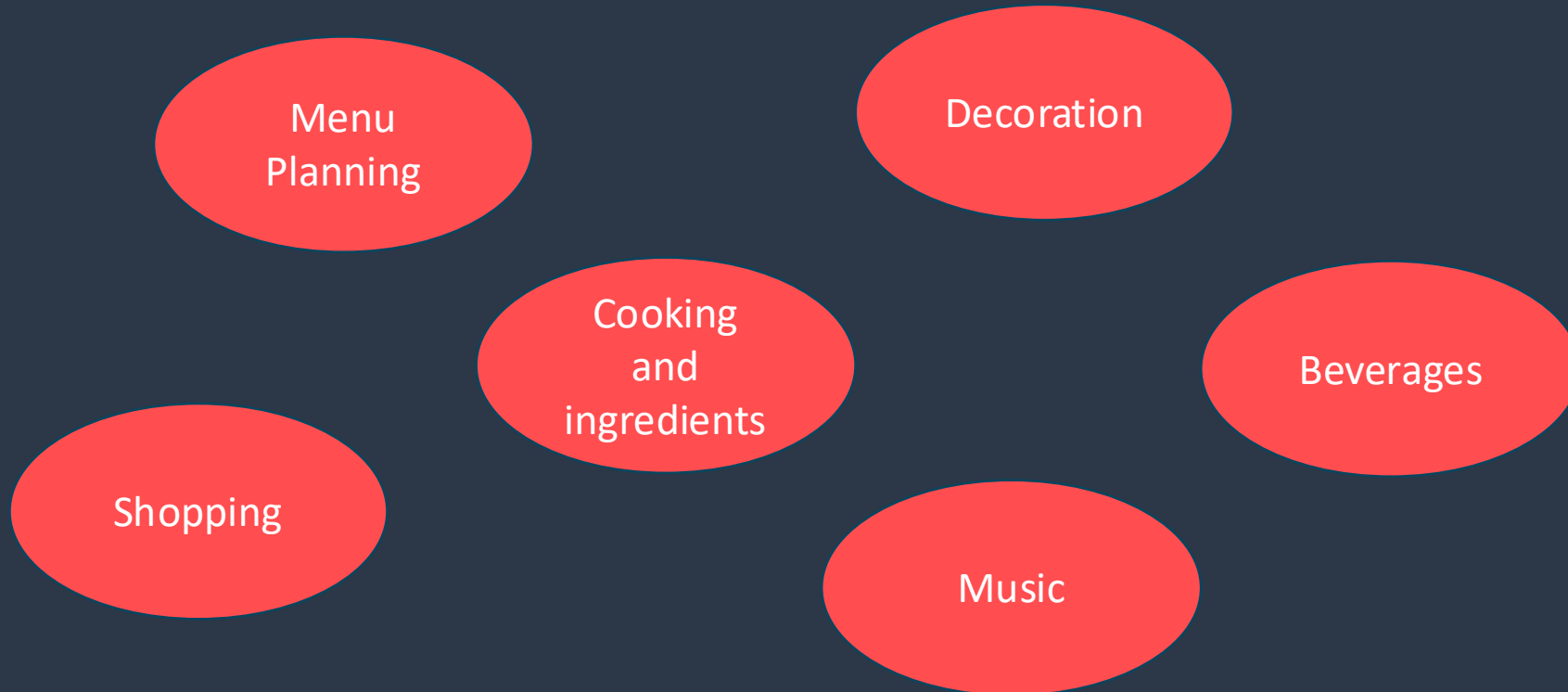
What we do

- \\ Define Bounded Contexts
- \\ Establish autonomous teams
- \\ Communicate clear goals and sense of purpose



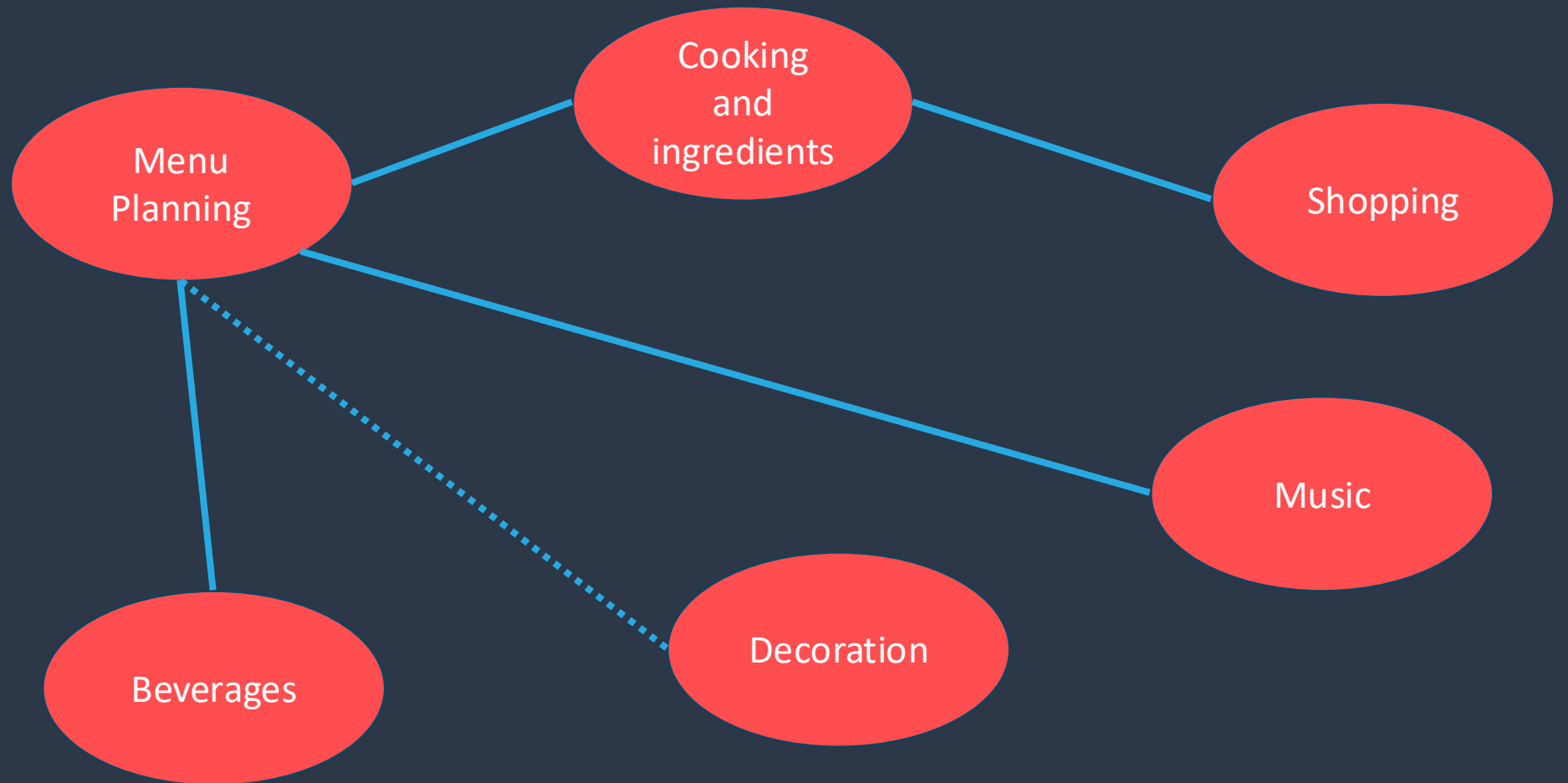
ORGANIZE

Bounded Context



ORGANIZE

Context Map



ORGANIZE

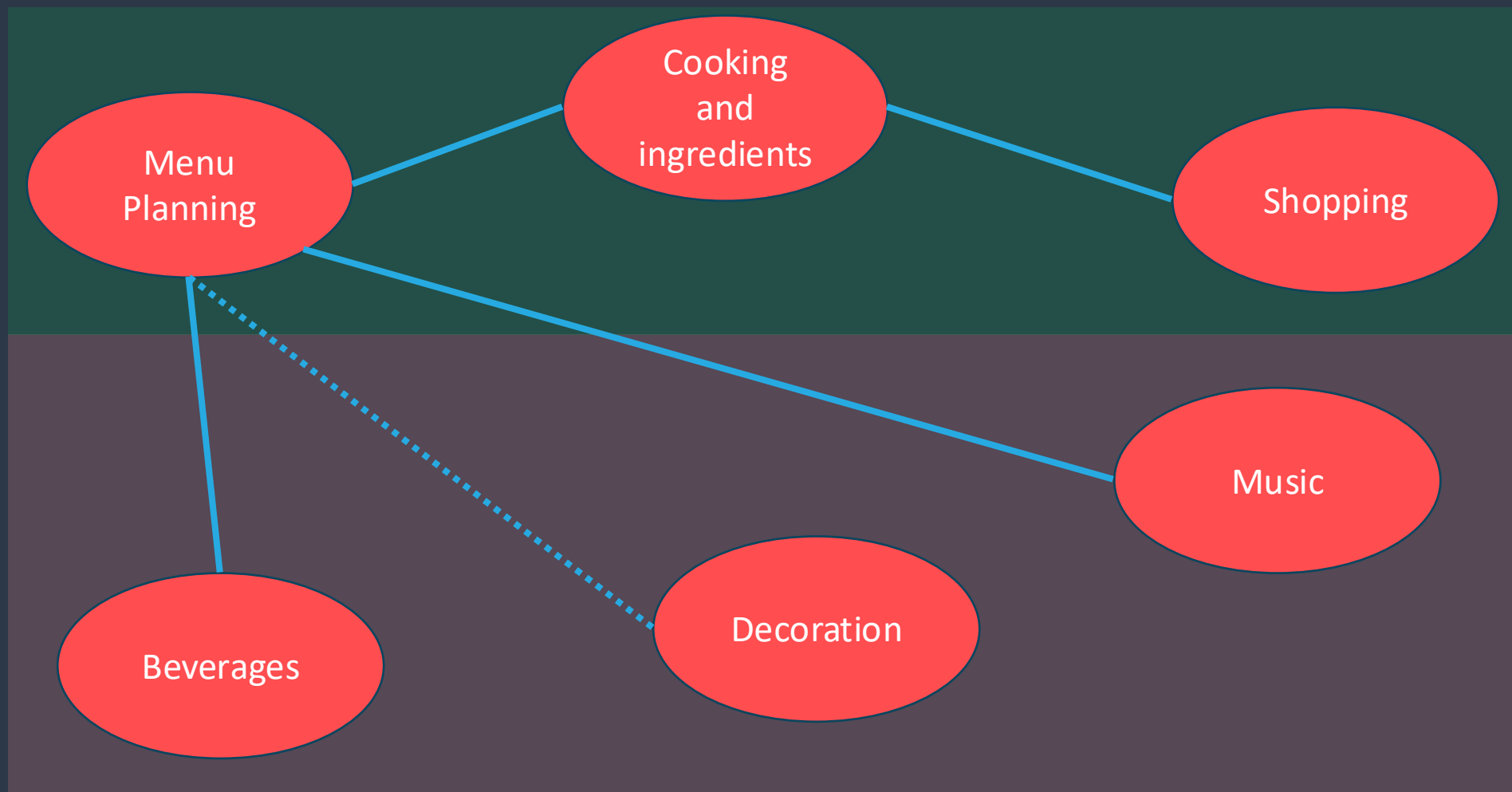
Assign teams to contexts



Squadra
Farfalle

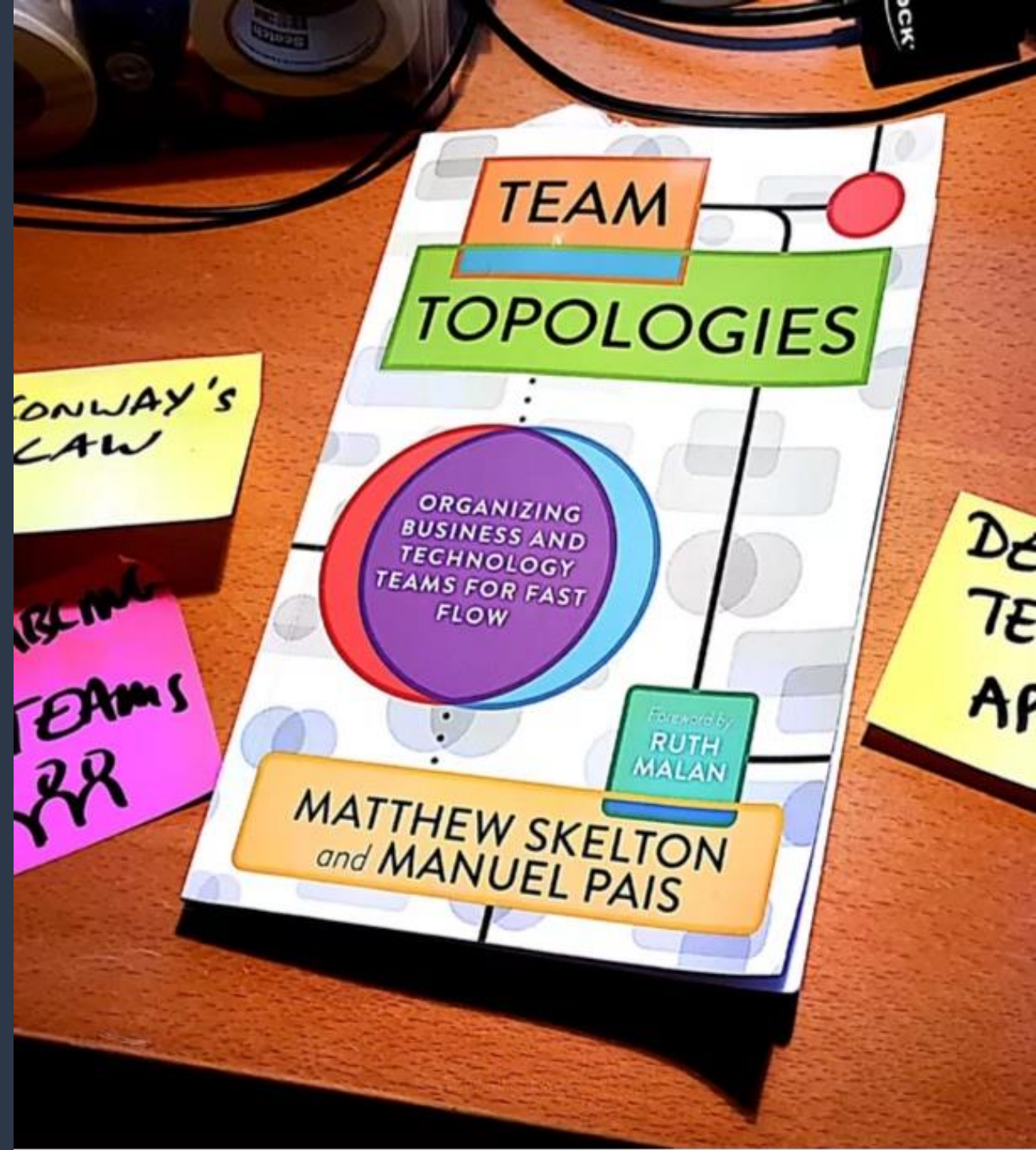


Squadra
Barolo



ORGANIZE

Additional techniques



Why Domain Driven Design
The Drama is over!
Takeaways

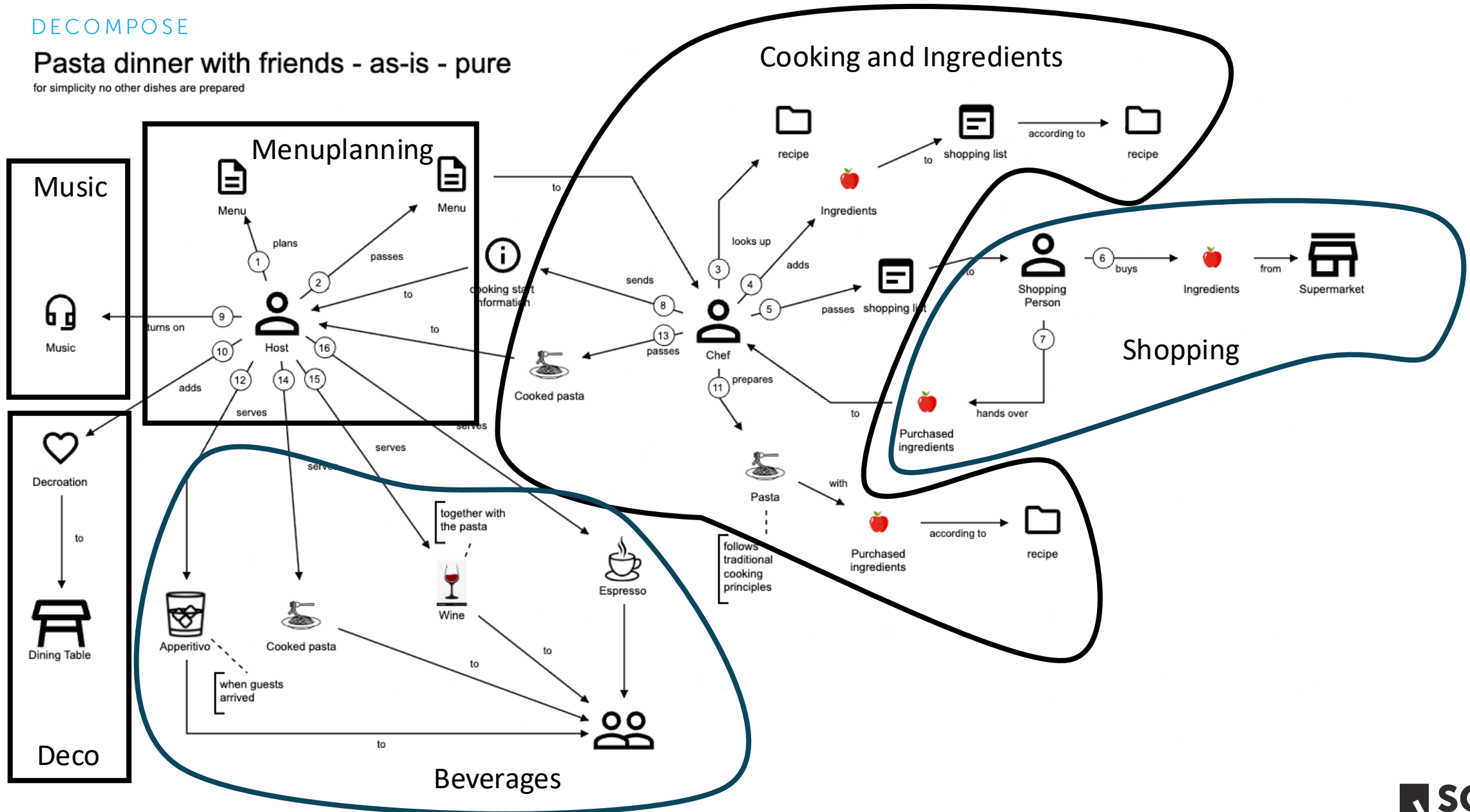
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From the example

DECOMPOSE

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**For your (upcoming)
projects**

TAKEAWAYS

For your (upcoming) projects

- \\ Try to align with business whenever and wherever possible
- \\ Embrace imperfection and improve your domain knowledge iteratively
- \\ There is not a single recipe for all solutions, but options to choose from
- \\ A common understanding is the basis for greater good
- \\ Managing your problem space in bounded contexts balances cognitive load



But what about ...



Chef Italiano

Menu del Giorno

- Pasta al Pomodoro
- Risotto ai Funghi
- Tiramisù

La cucina è amore

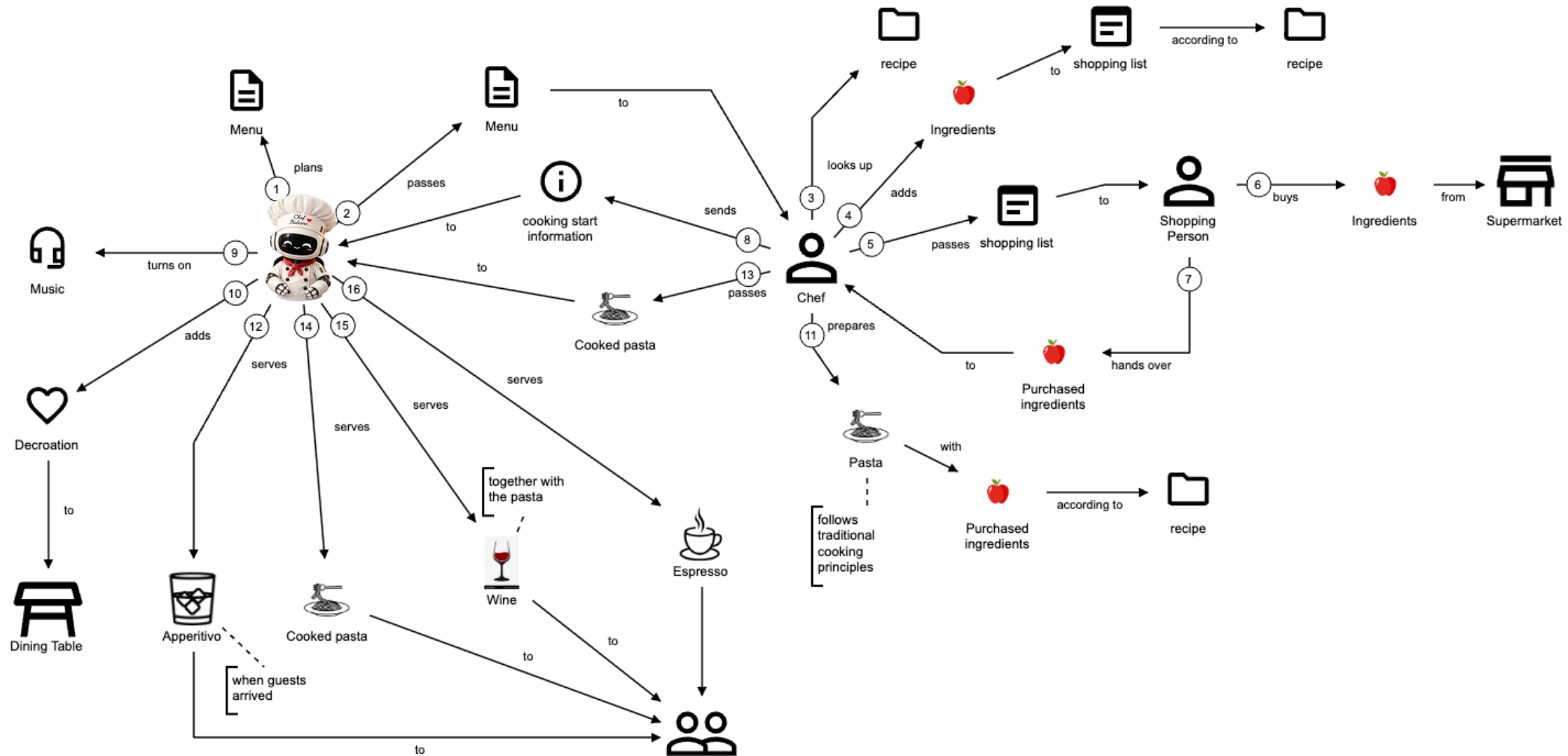
BASILICO

PARMIGIANO REGGIANO

DISCOVER

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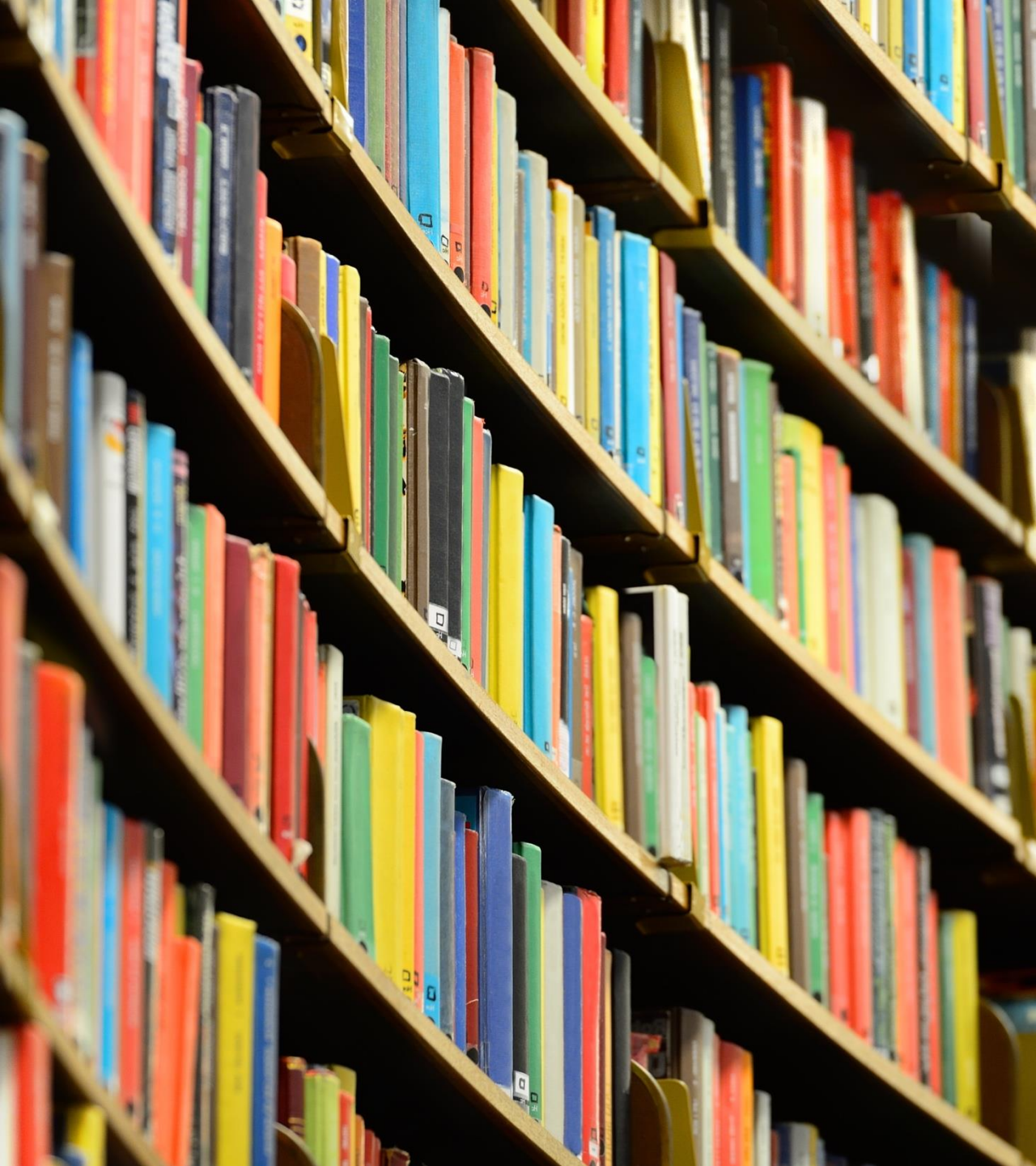


Context
Map

Bounded
Contexts

Language





Sources

- \\ This talk was inspired by the DDD Crew:
<https://github.com/ddd-crew>
- \\ (Book) Learning Domain Driven Design
– Vlad Khononov
- \\ (Book) Domain Driven Design
– Eric Evans
- \\ (Book) Domain Driven Transformation
– Henning Schwentner
- \\ Yearly Como Camp:
<https://comocamp.org/>



**Sharing a meal with
someone is an act of
love.**

↳ Antonio Carluccio



**Enabling teams.
Transforming IT landscapes.
Digitalizing enterprises.**

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My Sessionize and Pasta recipes



Buccatini all' amatriciana



Pasta Broccoli