

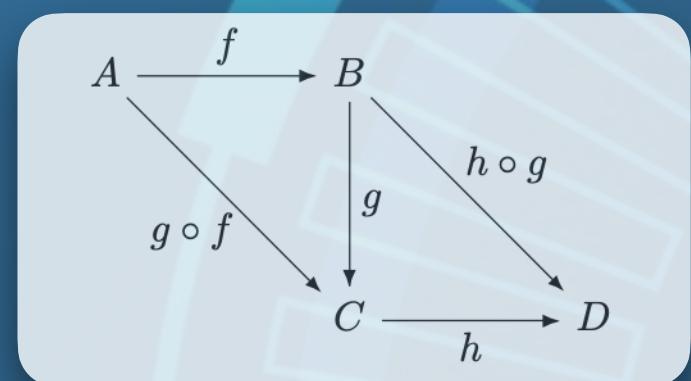
Steve Teleki

Software Engineering Executive, building value at the intersection of People, Technology, and Business



```
precedencegroup ForwardComposition {  
    associativity: left  
}
```

```
infix operator >>>: ForwardComposition  
public func >>> <A, B, C> (  
    _ f: @escaping (A) -> B,  
    _ g: @escaping (B) -> C  
) -> (A) -> C {  
    return { a in  
        g(f(a))  
    }  
}
```



Bring Ideas to Life

Follow the Value for the Customer

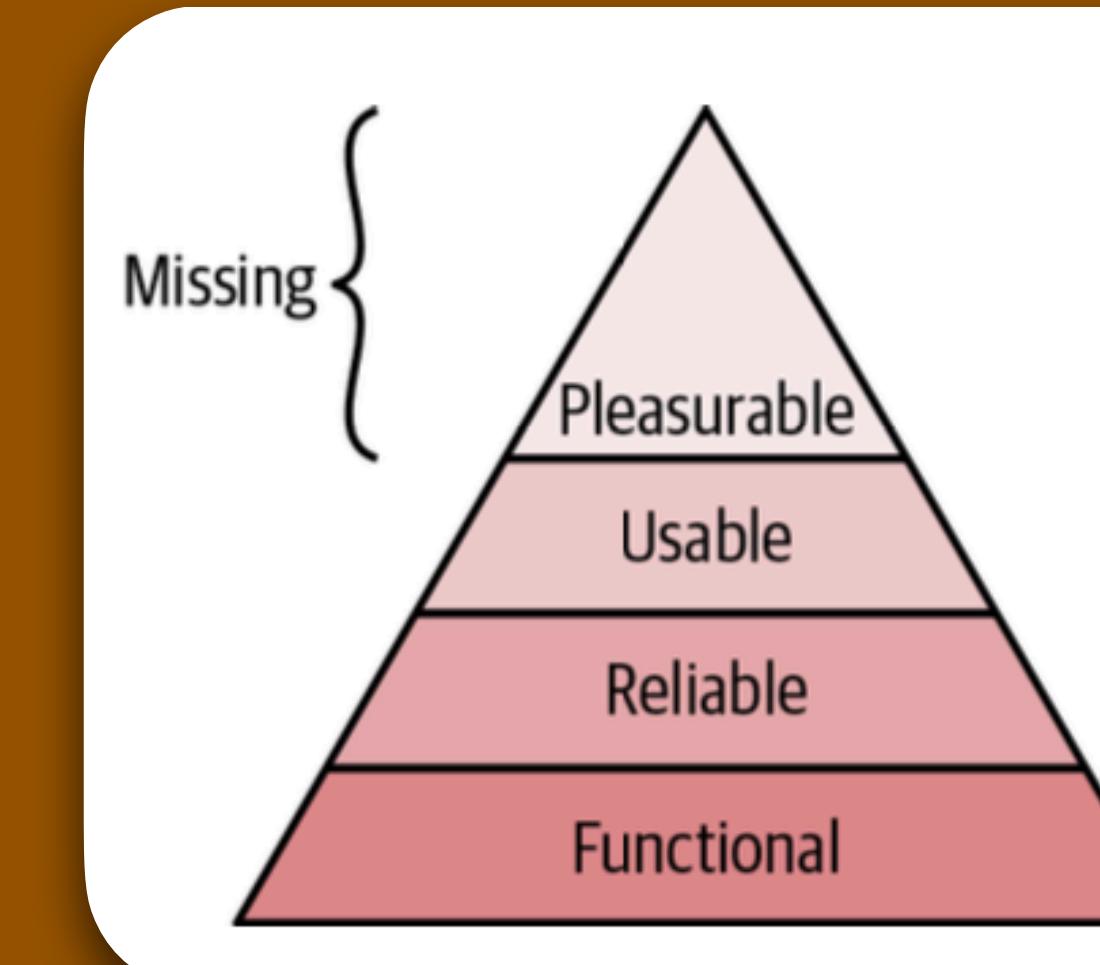
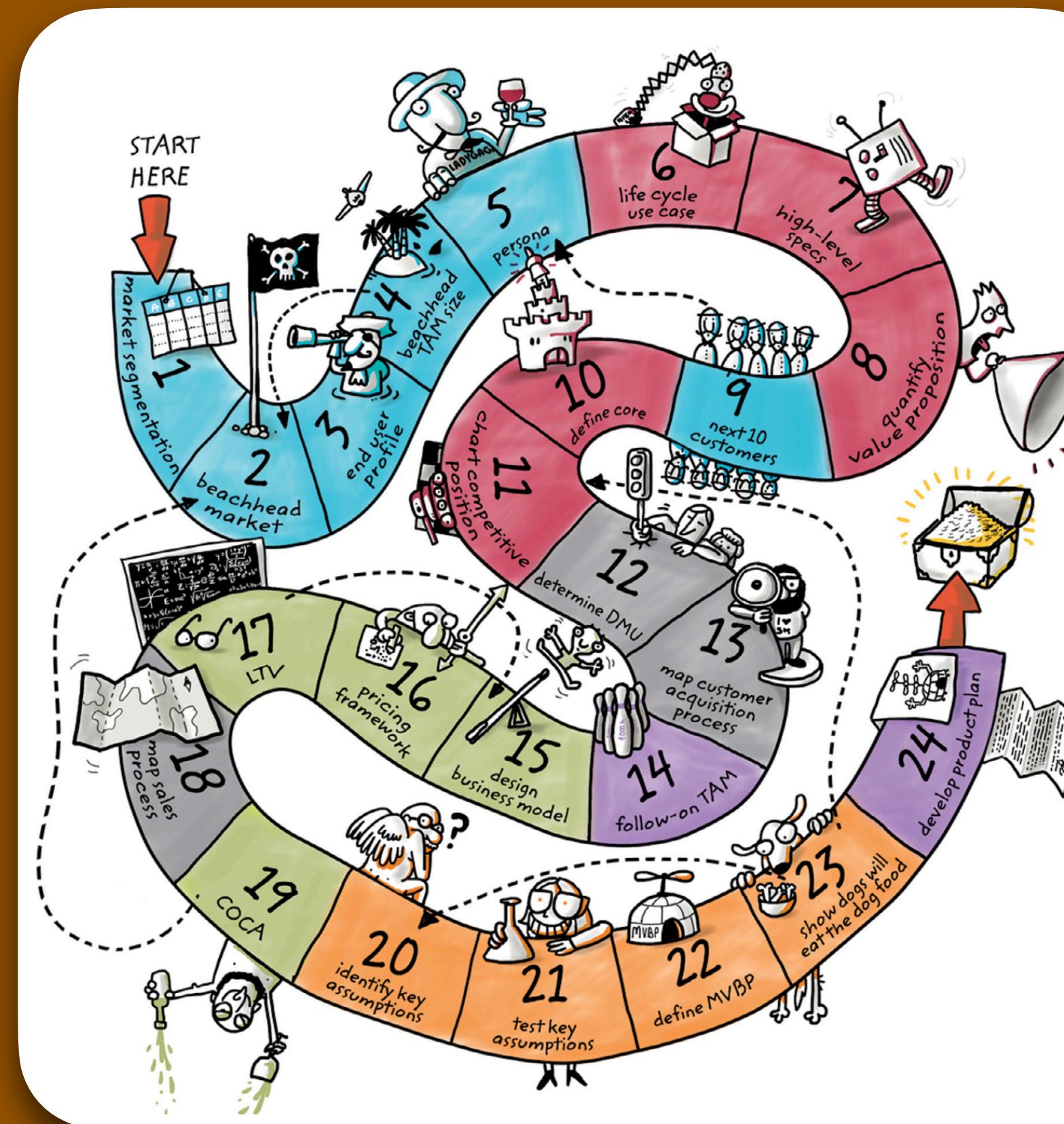
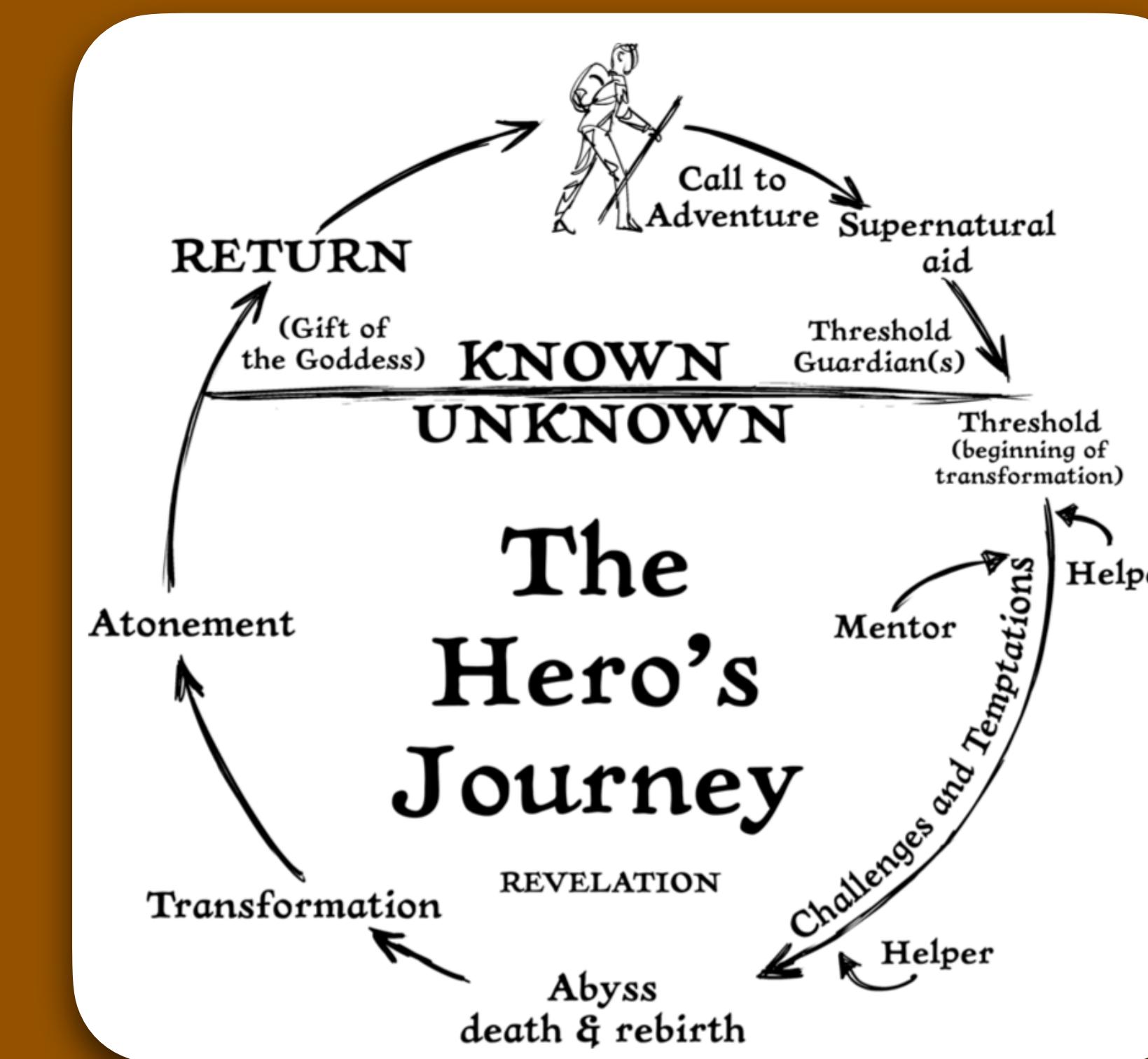


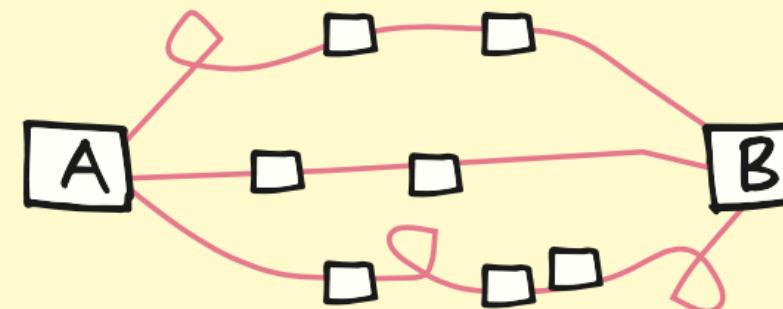
FIGURE 4-3
Walter's hierarchy of user needs states that basic user needs must be fulfilled by the interface first before more advanced needs can be met



PROBLEM

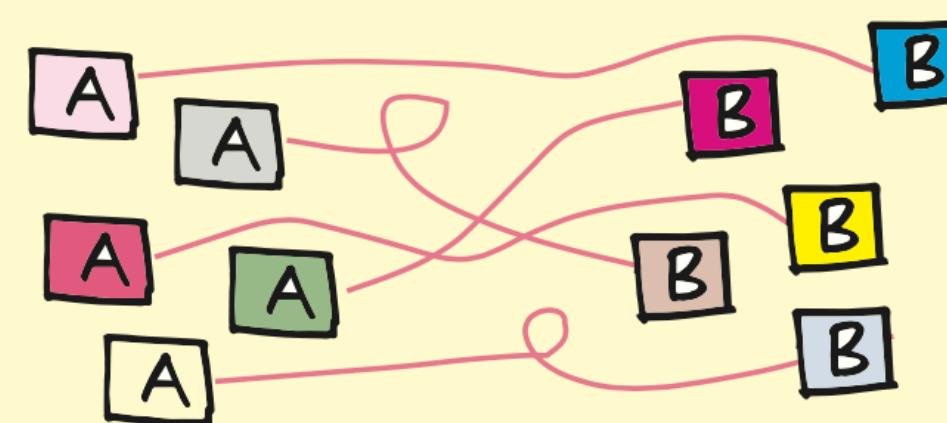
well-defined

Clear problem > different paths > one solution



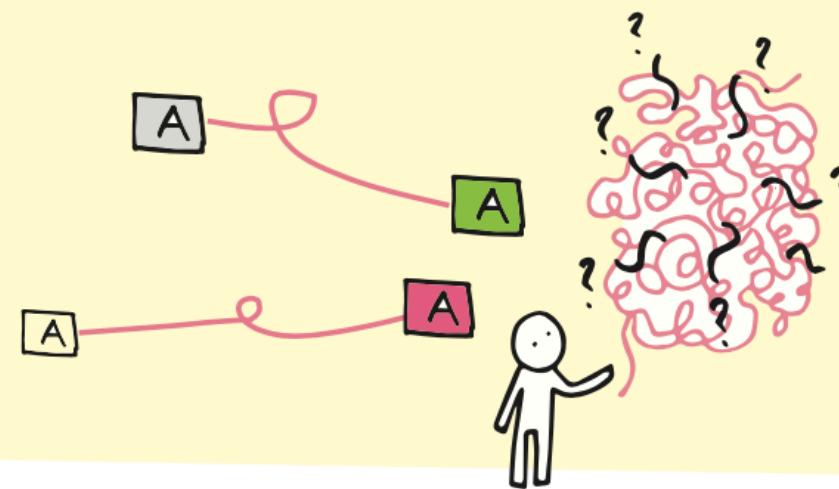
ill-defined

Unclear problem > different paths > different solutions



WICKED PROBLEMS

Unknown problem > different paths > a partial solution that helps make the problem definition clearer



Let the Problem be the Guide

Zero-In on the Value at the Intersection

STORYBOARD



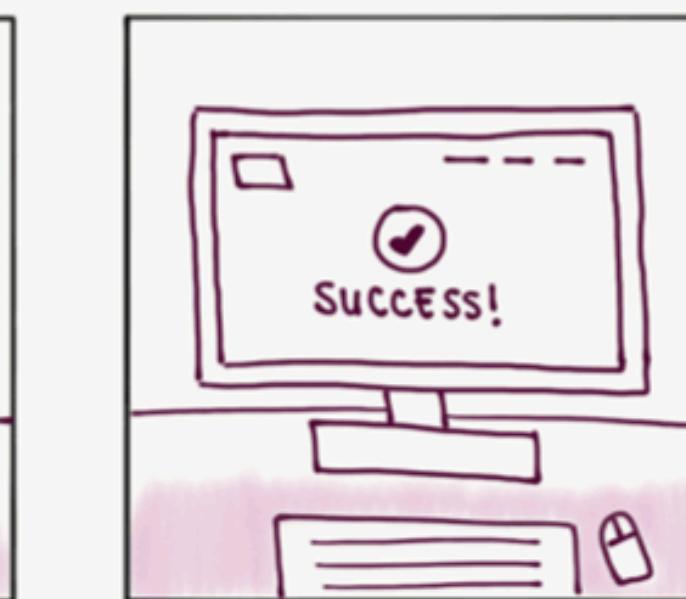
- MAKES NOTE OF SUPPLIES NEEDED ON CLIPBOARD
- PHYSICAL INVENTORY

PERSONA:
CORPORATE BUYER,
JAMES

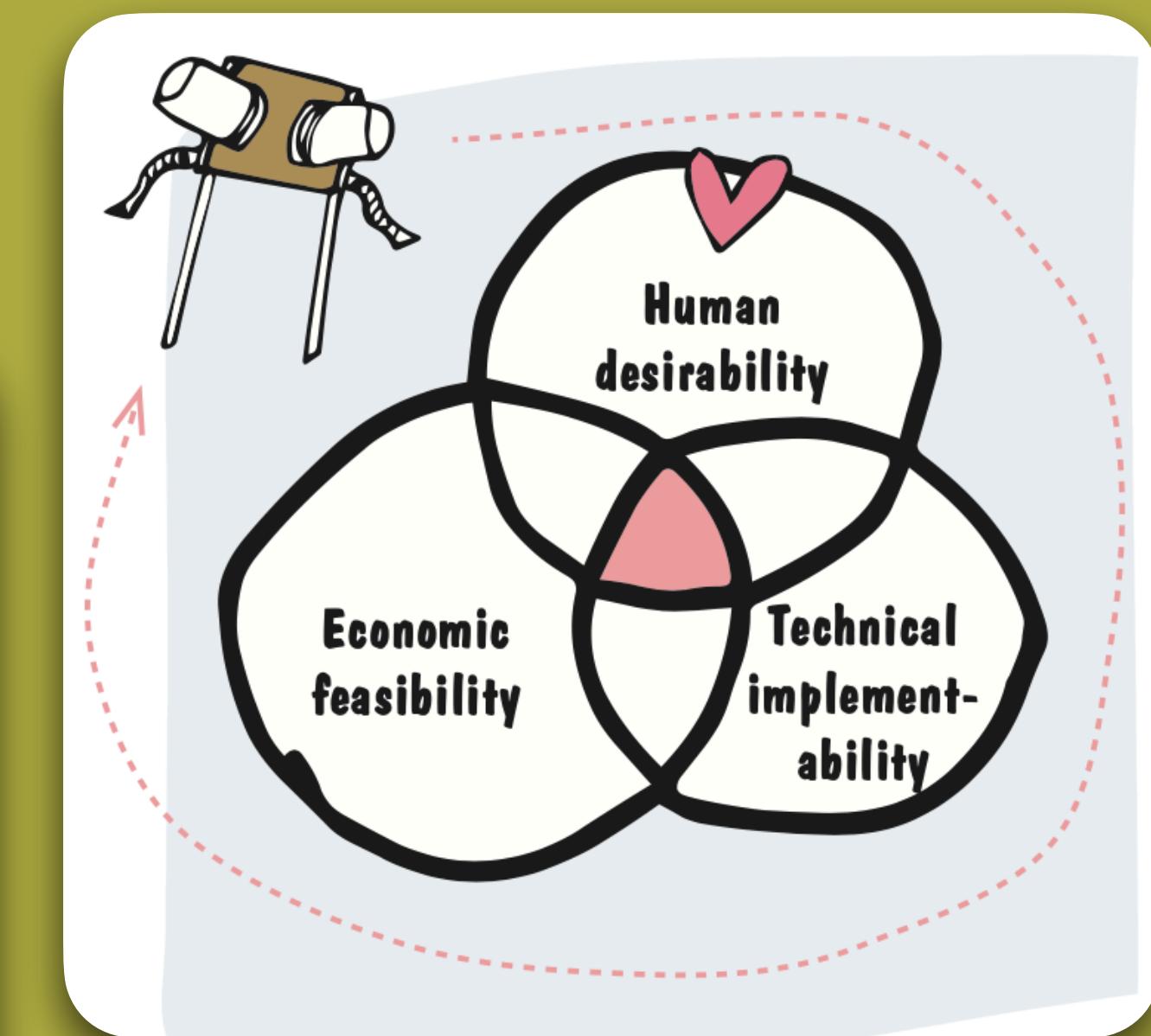


- SELECTS ITEMS FROM FAVORITES LIST
- USES DESKTOP + SUPPLY LIST AS TOOL

SCENARIO:
REPLENISH OFFICE SUPPLIES

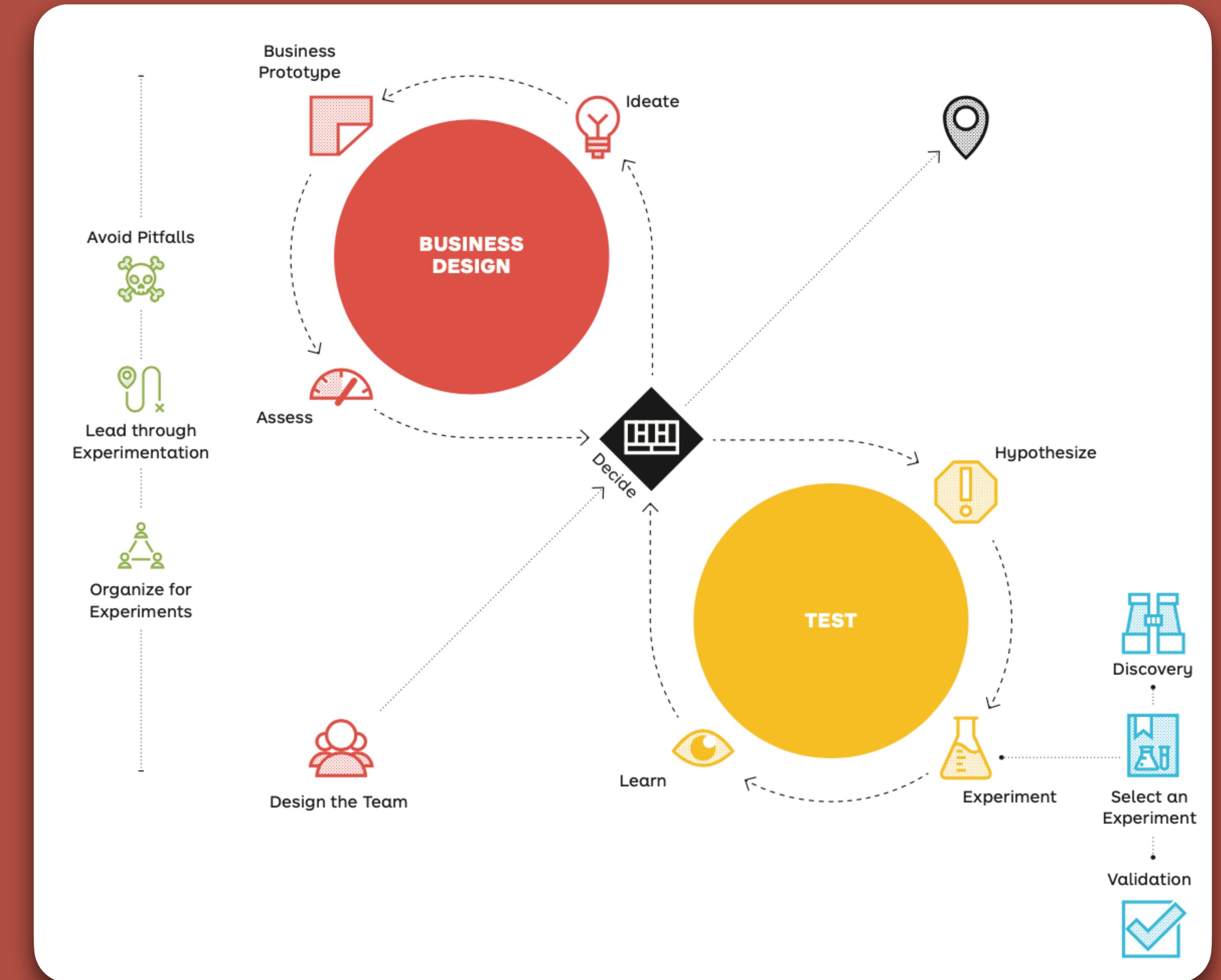
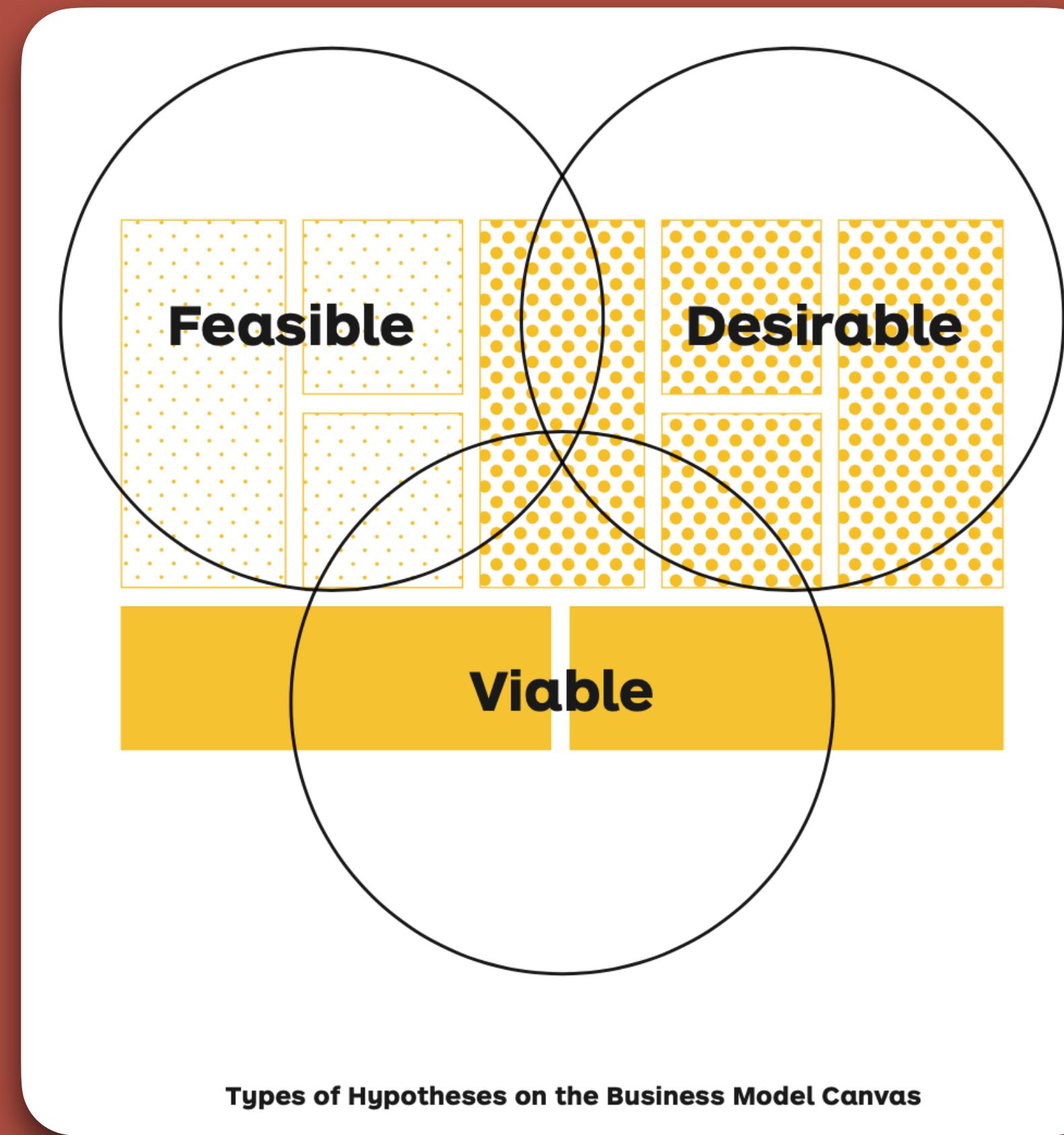


- RECEIVES SHIPMENT WINDOW W/ ORDER SUBMISSION
- SETS PLAN FOR RESTOCK



Iterate on the Business Value for the Customer

Experiment to Succeed



Modernize the Architecture

Migrate as the business demands it

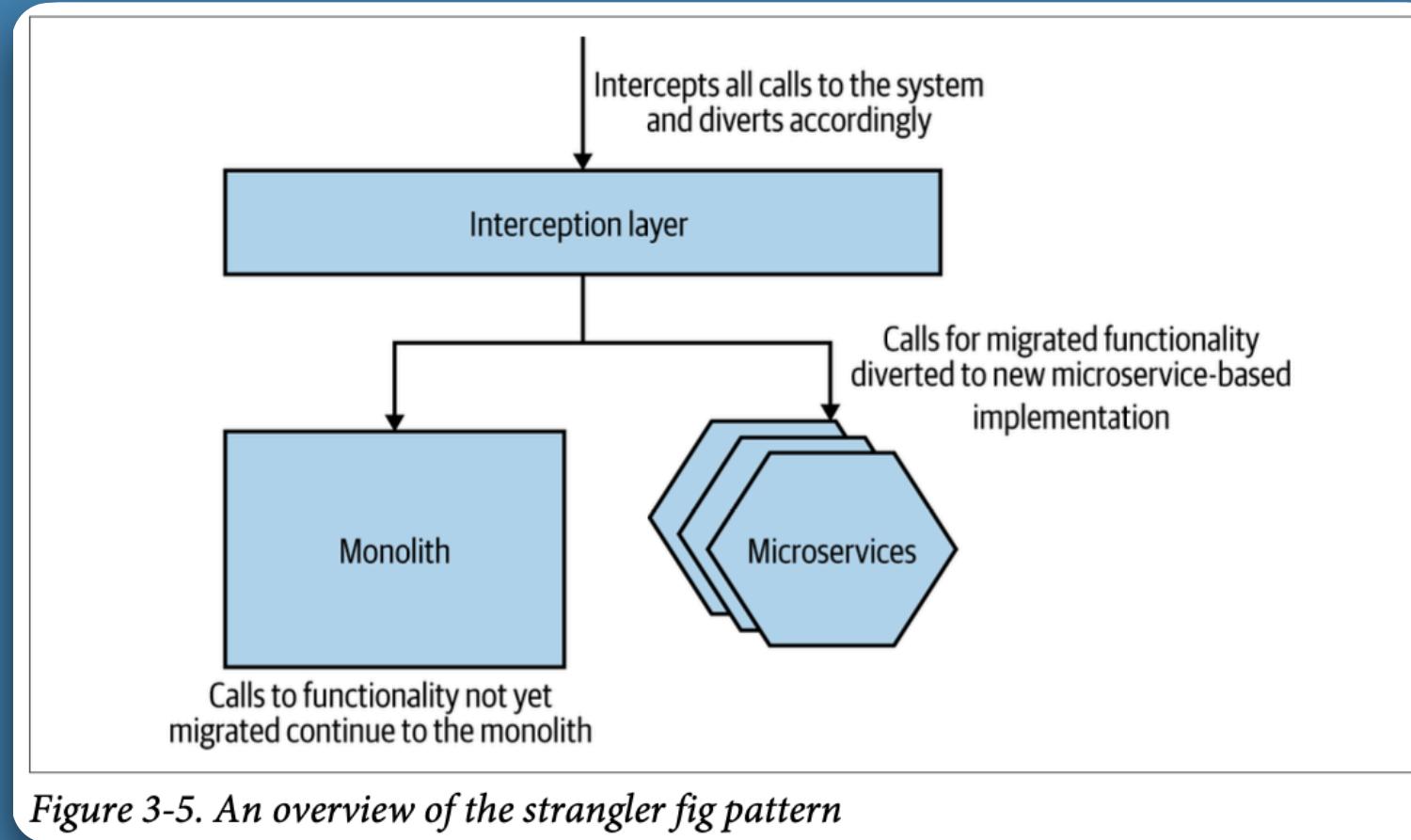


Figure 3-5. An overview of the strangler fig pattern

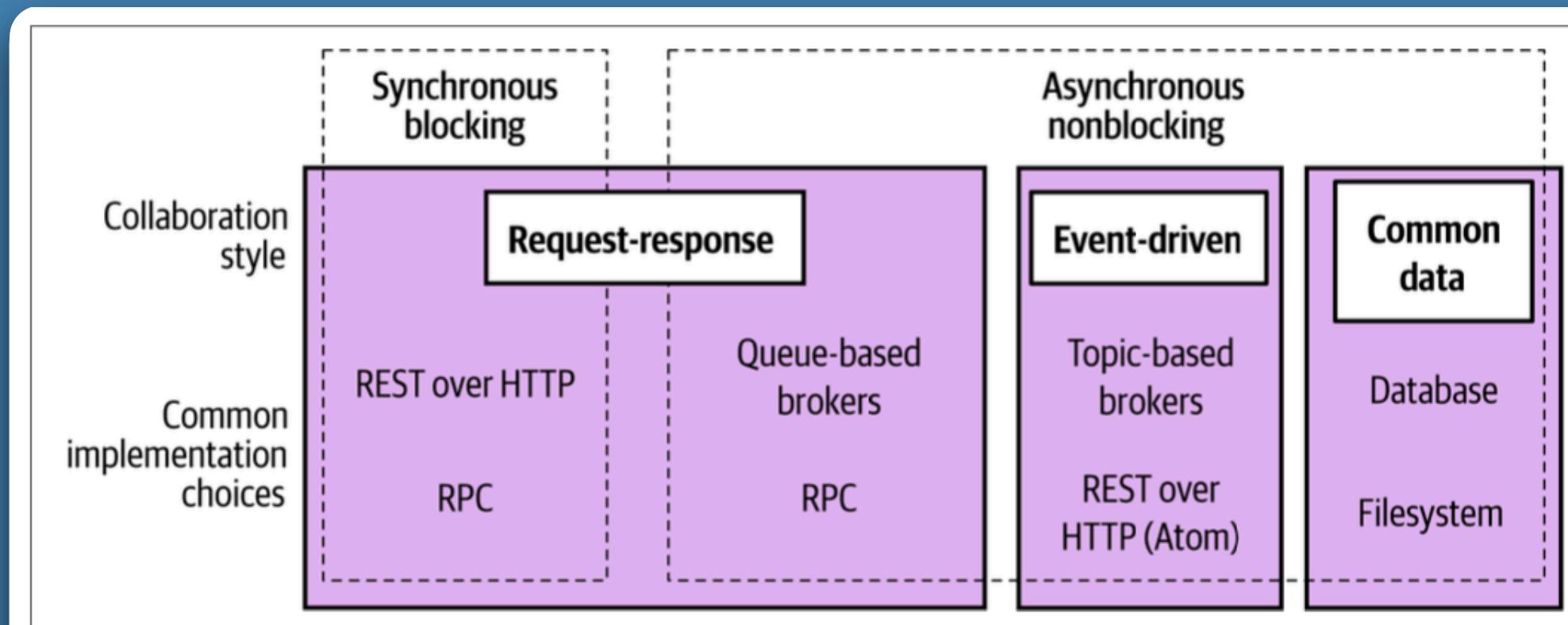


Figure 5-10. Different styles of inter-microservice communication, along with example implementing technologies

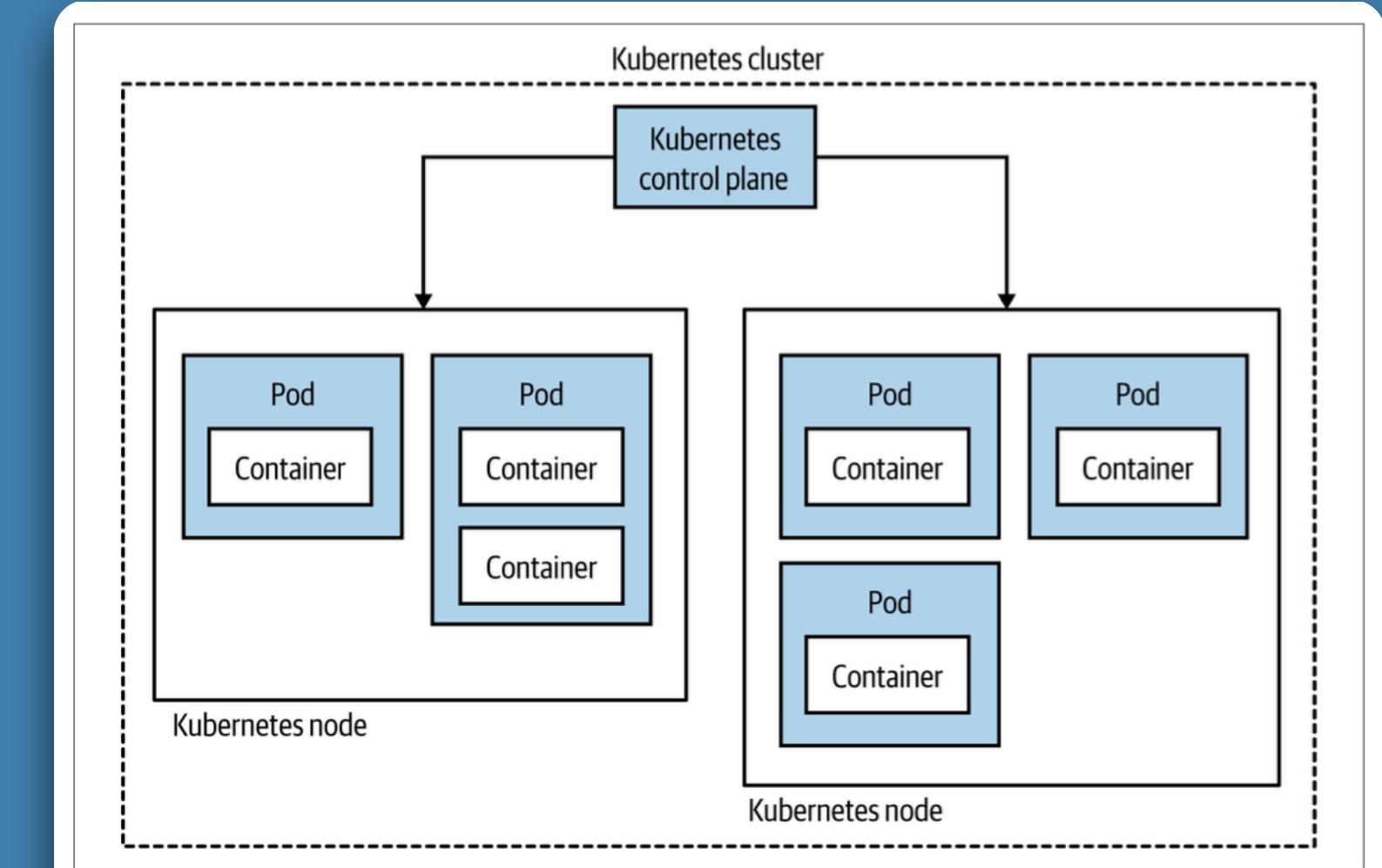


Figure 8-22. A simple overview of Kubernetes topology

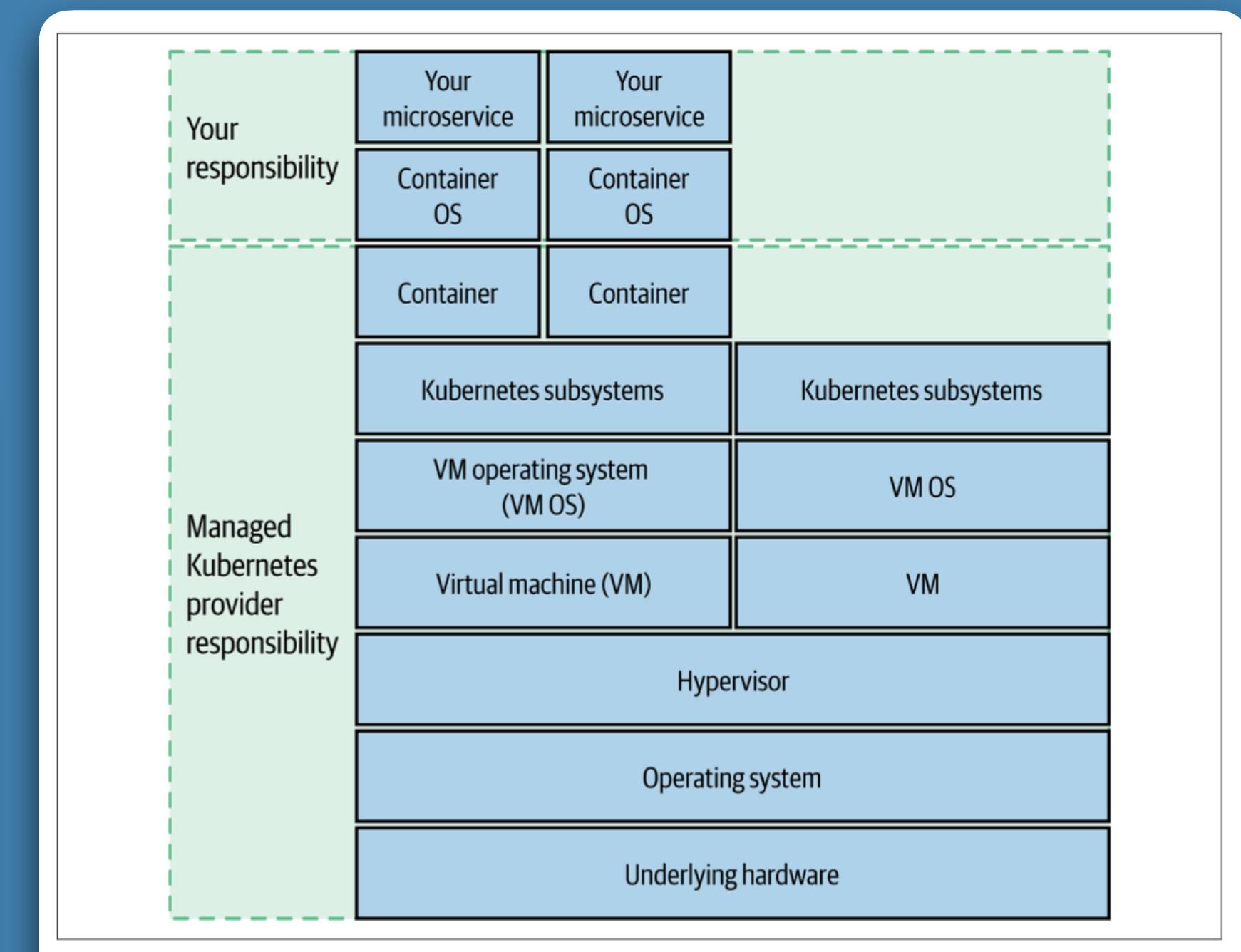


Figure 11-4. Offloading responsibility for some layers of this stack can reduce complexity

Grow People

Focus on the basics

LEAD

COACH & MENTOR

Manage

LISTEN

Empathize

Foster an open and
collaborative culture

Credits

Too many to mention, here are some of them...

Sam Newman. *Building Microservices: Designing Fine-Grained Systems, 2nd Edition.* O'Reilly Media, 2021.

Bill Aulet. *Disciplined Entrepreneurship: 24 Steps to a Successful Startup.* Wiley, 2013.

Michael Lewrick, et.al. *The Design Thinking Playbook.* Wiley, 2018.

David J. Bland, Alexander Osterwalder. *Testing Business Ideas.* Wiley, 2020.

Eugenia Cheng. *The Joy of Abstraction: An Exploration of Math, Category Theory, and Life.* Cambridge University Press, 2022.