

The background is a dark gray field filled with various geometric patterns and shapes. These include a grid of small dots in the top-left, a large brown circle with wavy lines on the right, a 3D rectangular block with a dotted top and hatched sides in the center, a 3D cube on the right, a 3D L-shaped block at the bottom, and several other circles, squares, and lines with different patterns like zig-zags and hatching. The overall style is modern and abstract.

# Micro Frontends

What is a microservice

What is a monolith

What is a micro frontend

Examples of micro frontends

Benefits of using micro frontends

Downsides of using micro frontends

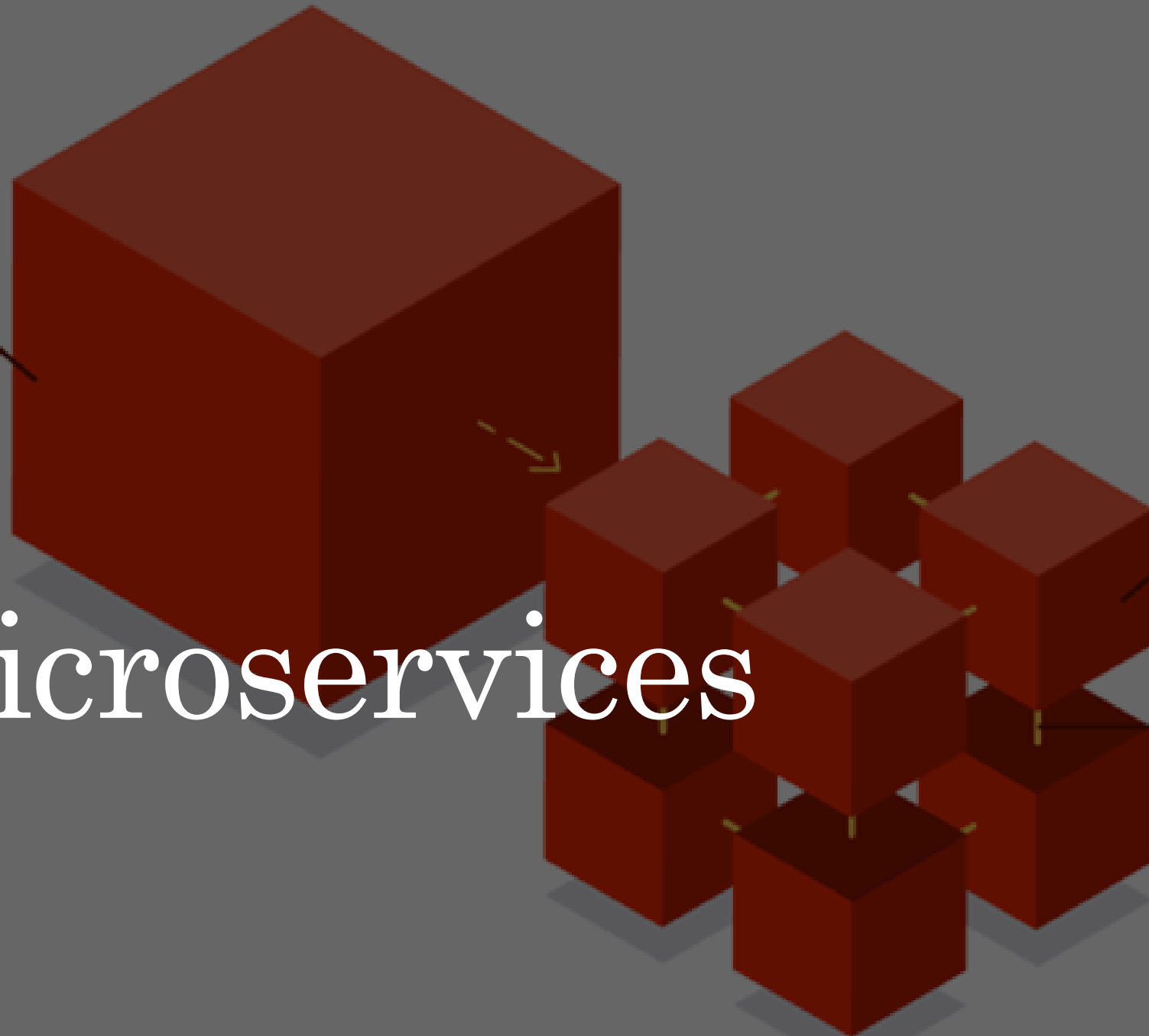
Index

APP

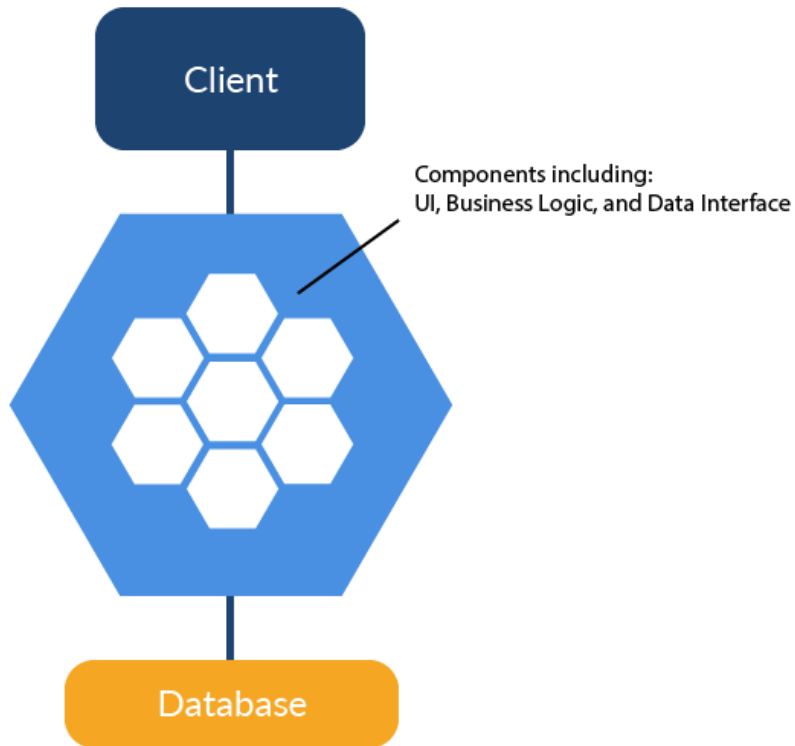
# Microservices

MICROSERVICE

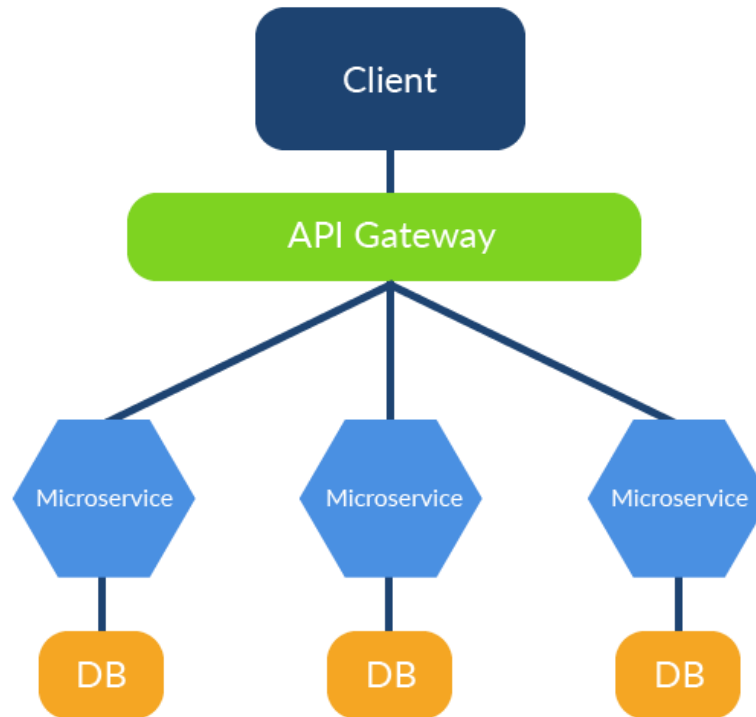
WEB SERVICE



## Monolithic Architecture



## Microservice Architecture



# What is a microservice?

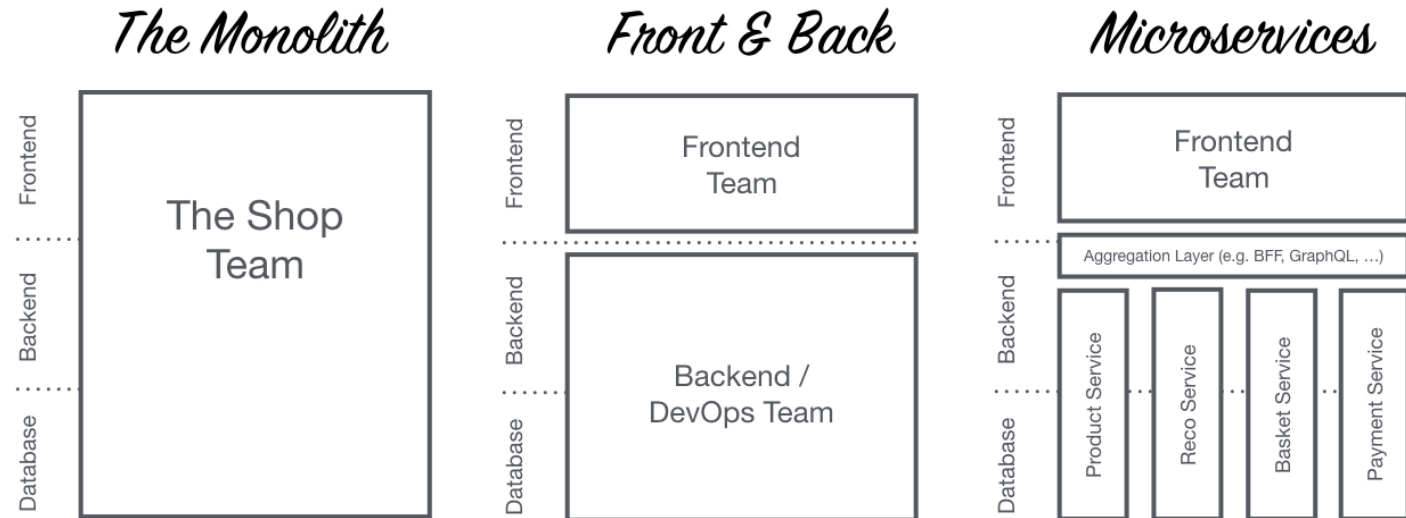
- It's an architectural design.
- It's based on operating independent services (Instagram)
- Can be considered as a small independent application.
- Usually uses a continuous integration systems like Docker.



# Monolith

# Monolithic front end

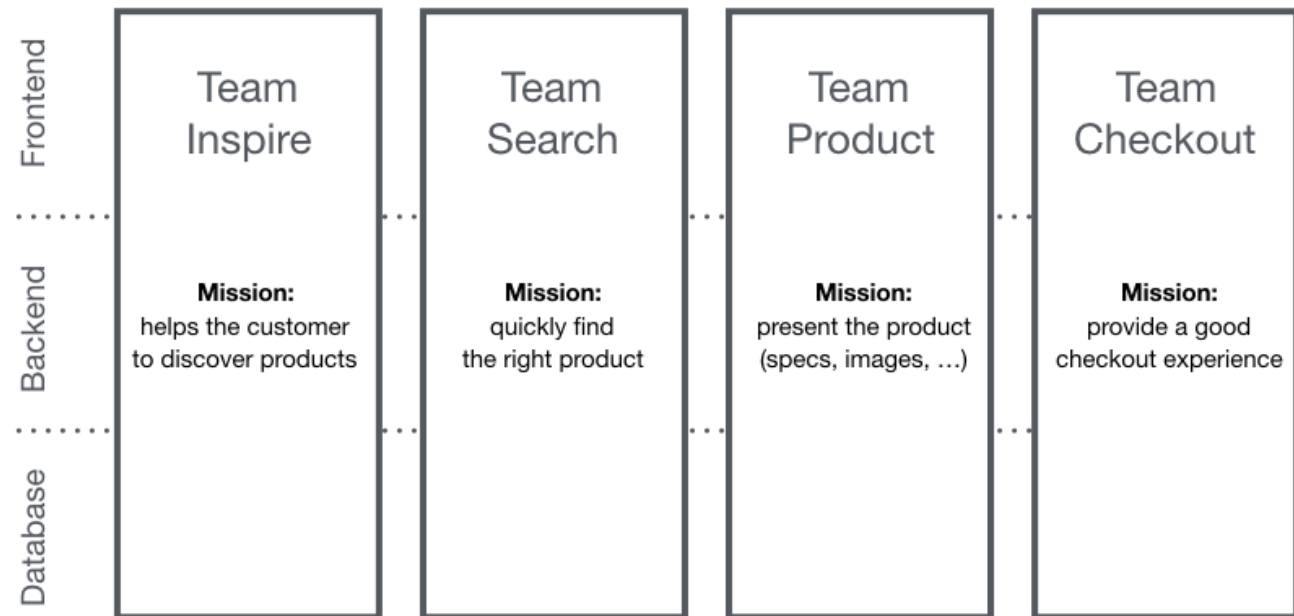
- Uses the monolithic pattern, which means that all the front-end is a single block.
- The current trend is to build a feature-rich and powerful browser application, aka single page app.



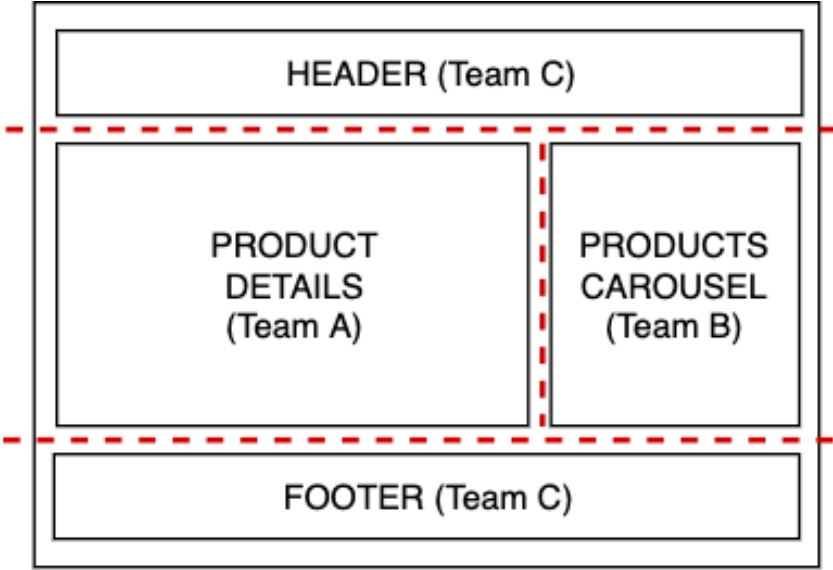
# What is a micro frontend

- Extension of microservices
- Website as **Composition** of features
- Independent teams
  - Software
  - Deployment
- End to End

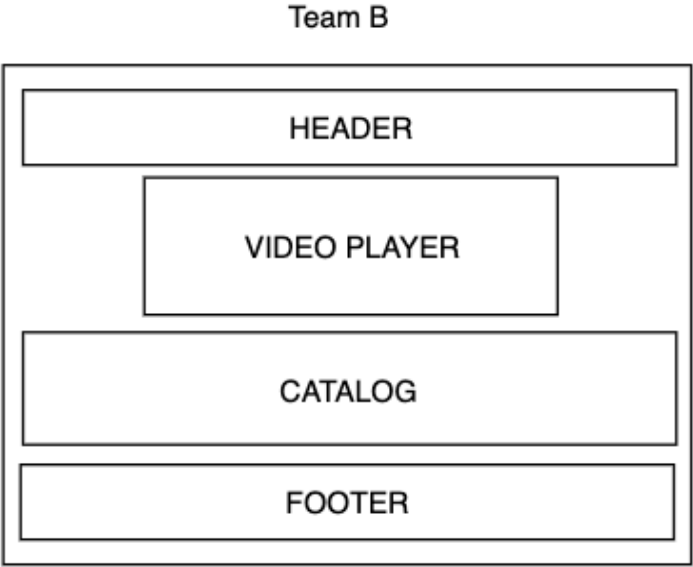
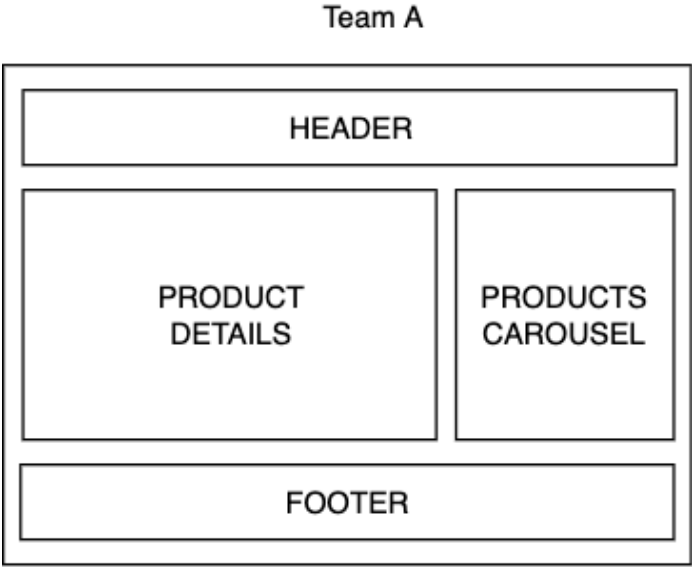
## *End-to-End Teams with Micro Frontends*



# Approaches



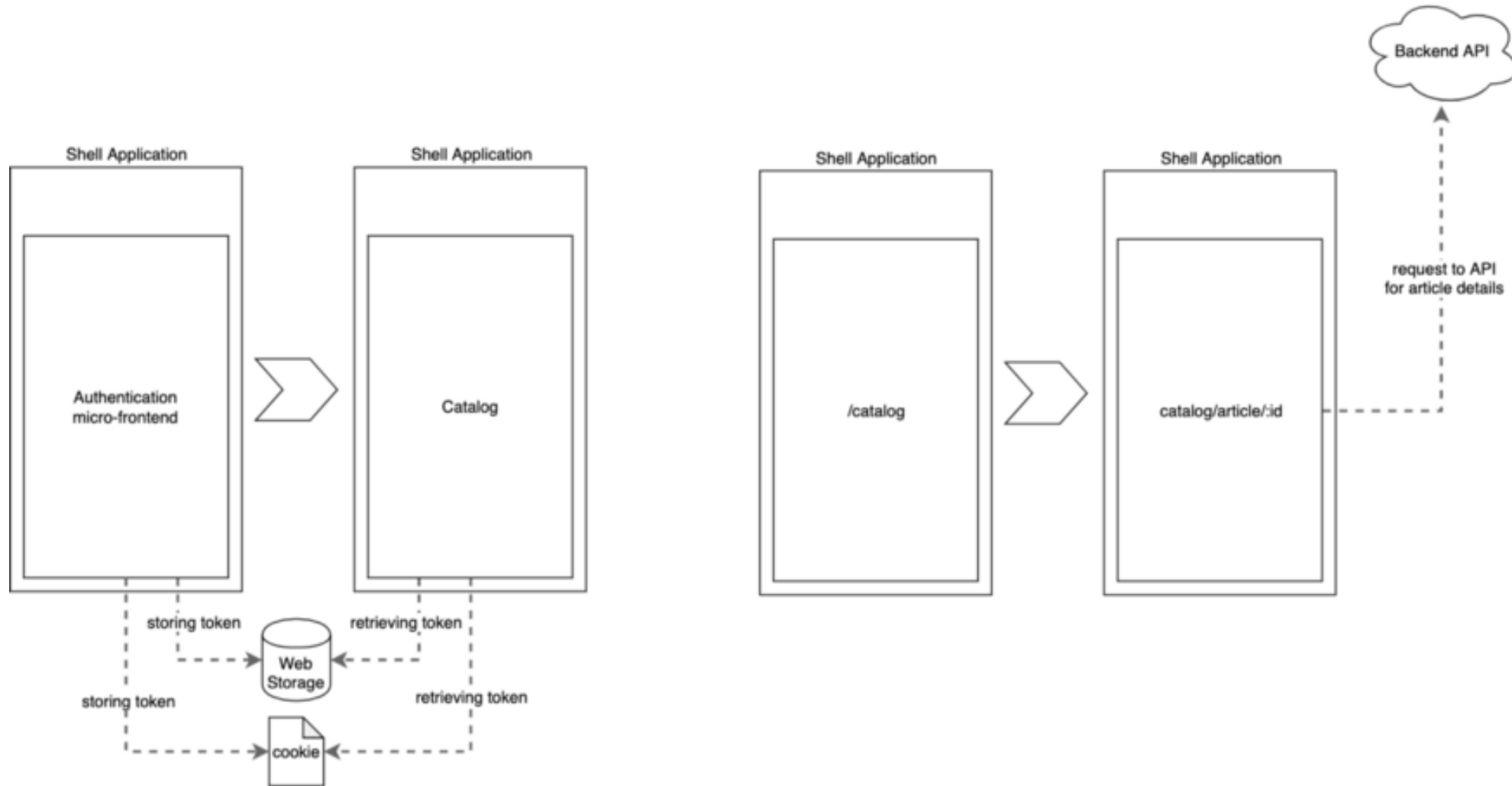
HORIZONTAL SPLIT



VERTICAL SPLIT




# Communication



Team product **A**

# Tienda online

- Team checkout  -

 Mi cesta **4**



**Reserva Especial Cerveza**  
Pack de 24 botellas x 330 ml



Añadir a la cesta

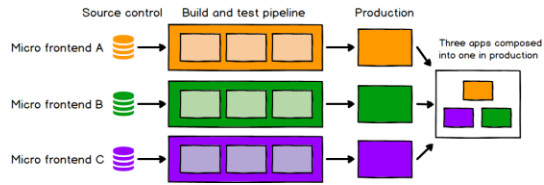
Comprar ya

Team inspire 

Productos relacionados

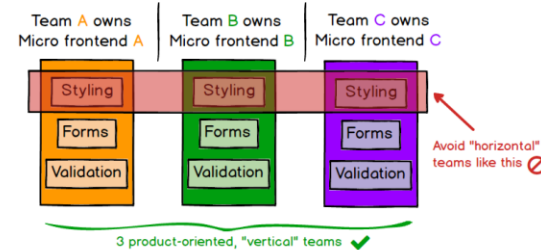


# Example



# Benefits of using Micro Frontends

- Independent deployment
- Incremental upgrades
- Simple and decoupled codebases
- Autonomous teams





Questions

