

Bridge



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Overview

Motivation

Messaging demo

- Demonstrate the increasing number of classes with every new feature
- Solve exploding class hierarchy problem

Motivation



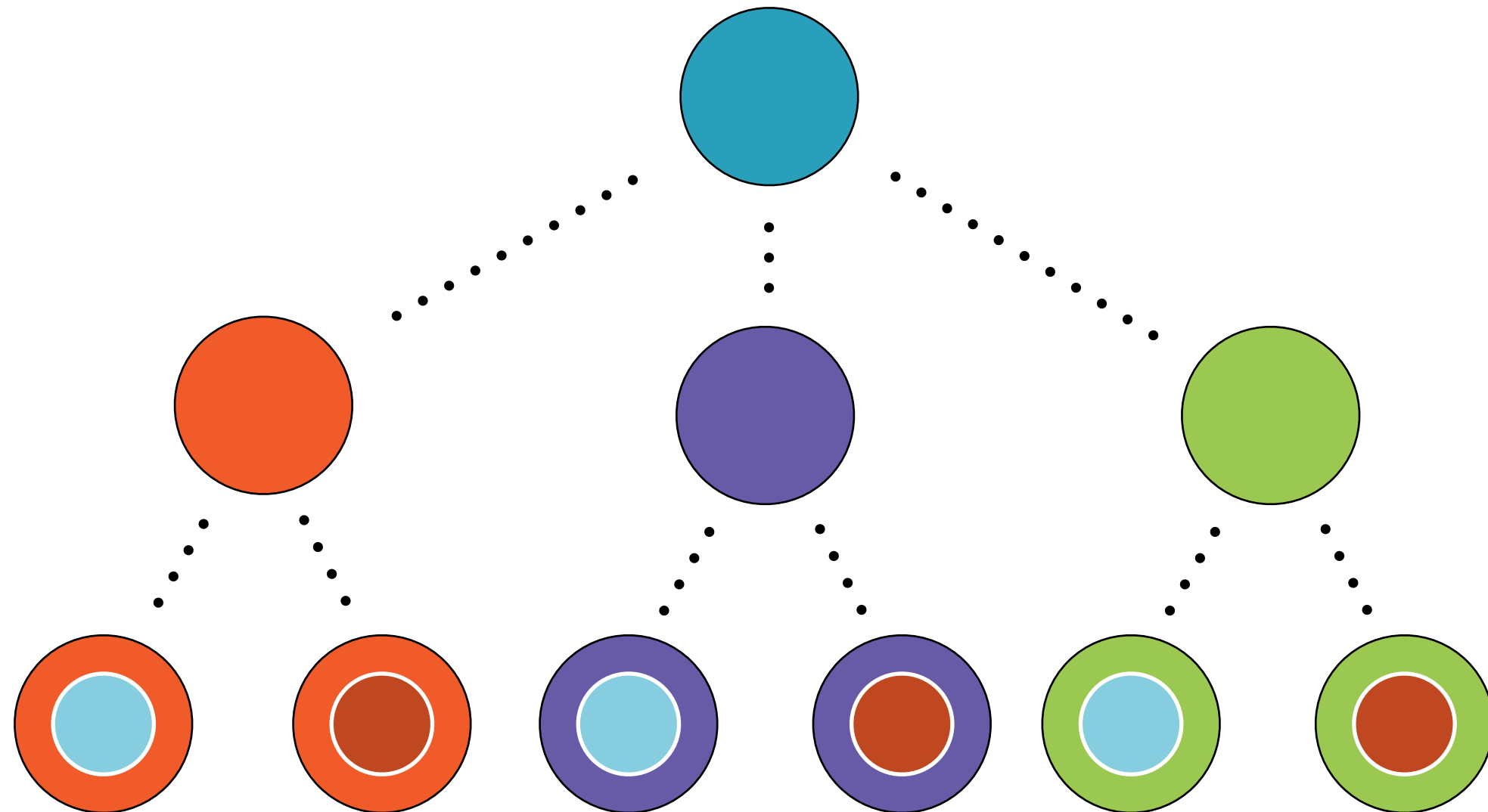
Exploding class hierarchy

- Sign of poorly designed/refactored code

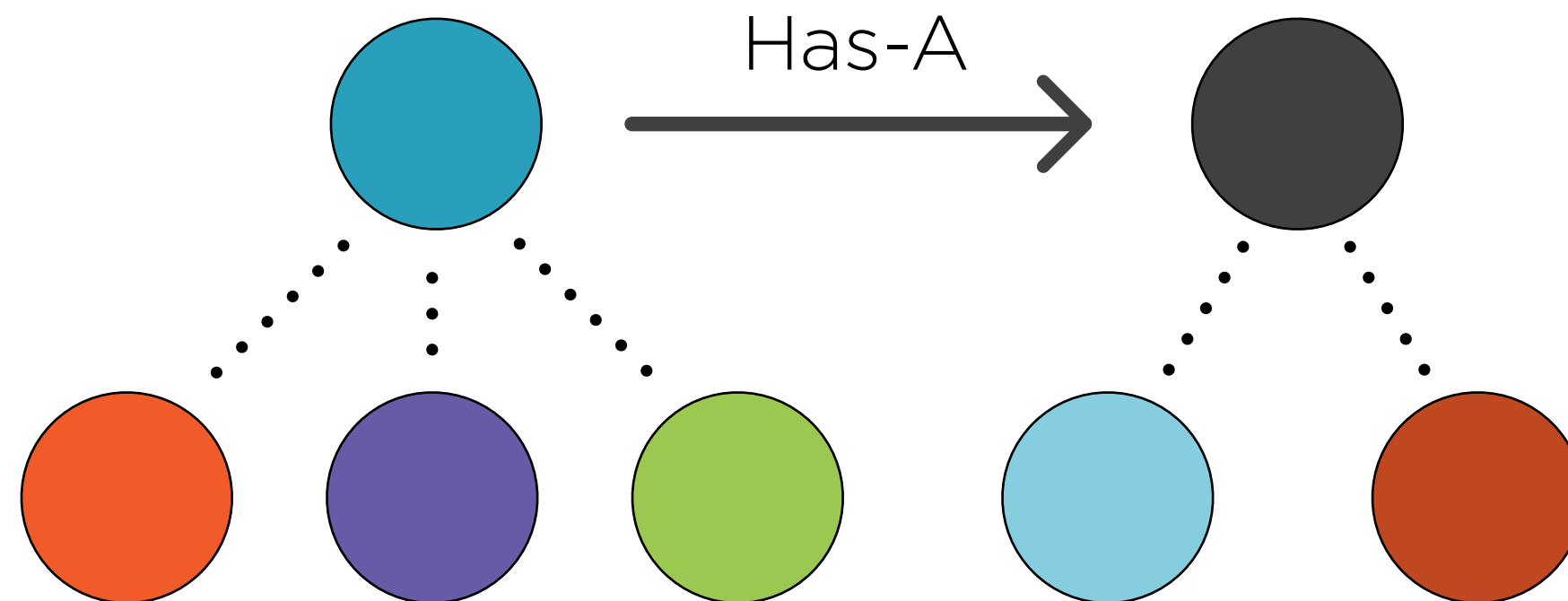
Separate abstraction from implementation

- Organize common and specific functionality into different hierarchies
- Allows changing abstraction and implementation independently

The Problem



The Solution



Bridge

The Bridge pattern separates the abstraction from its implementation and reduces the impact of changes.

Demo

Messaging Demo

- The problem
- Applying the Bridge Pattern

Summary

The Bridge Pattern:

- Separates common and specific functionality
- Solution for “exploding class hierarchies”

Pitfalls

- Common and specific functionality not separated