Façade

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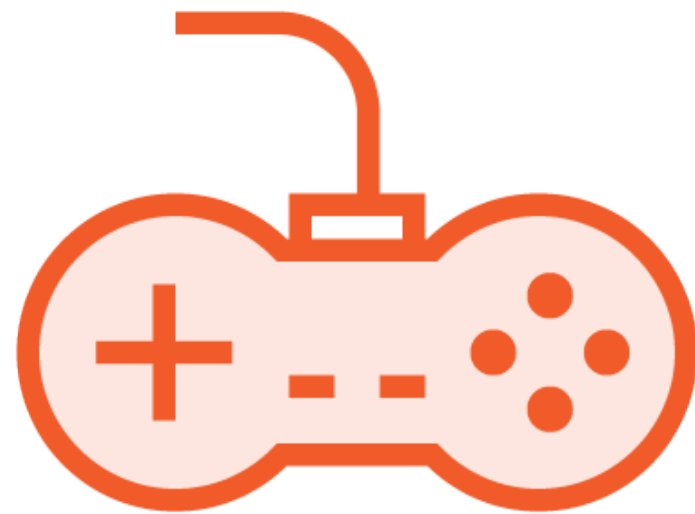
Overview

Motivation

Downloader

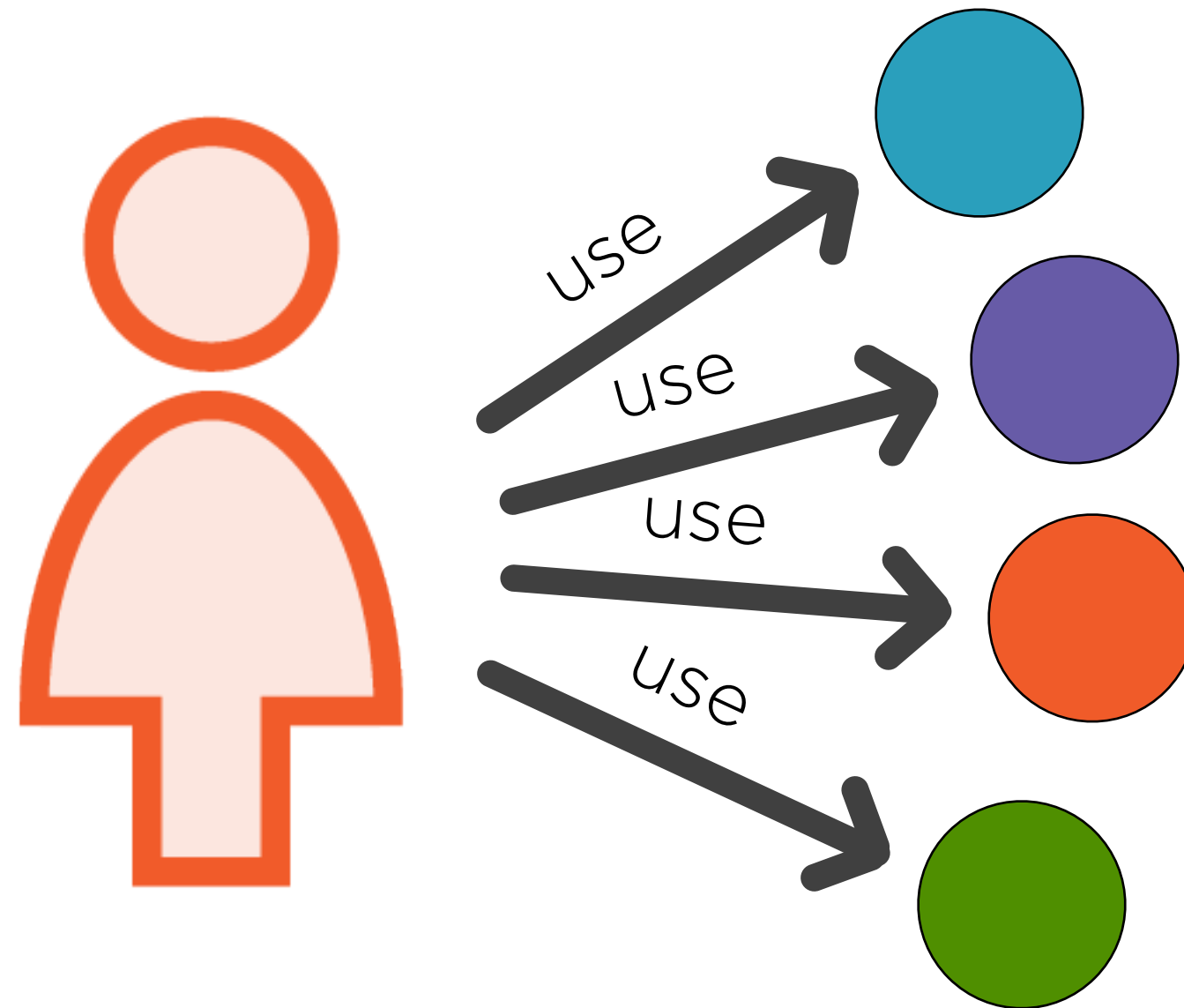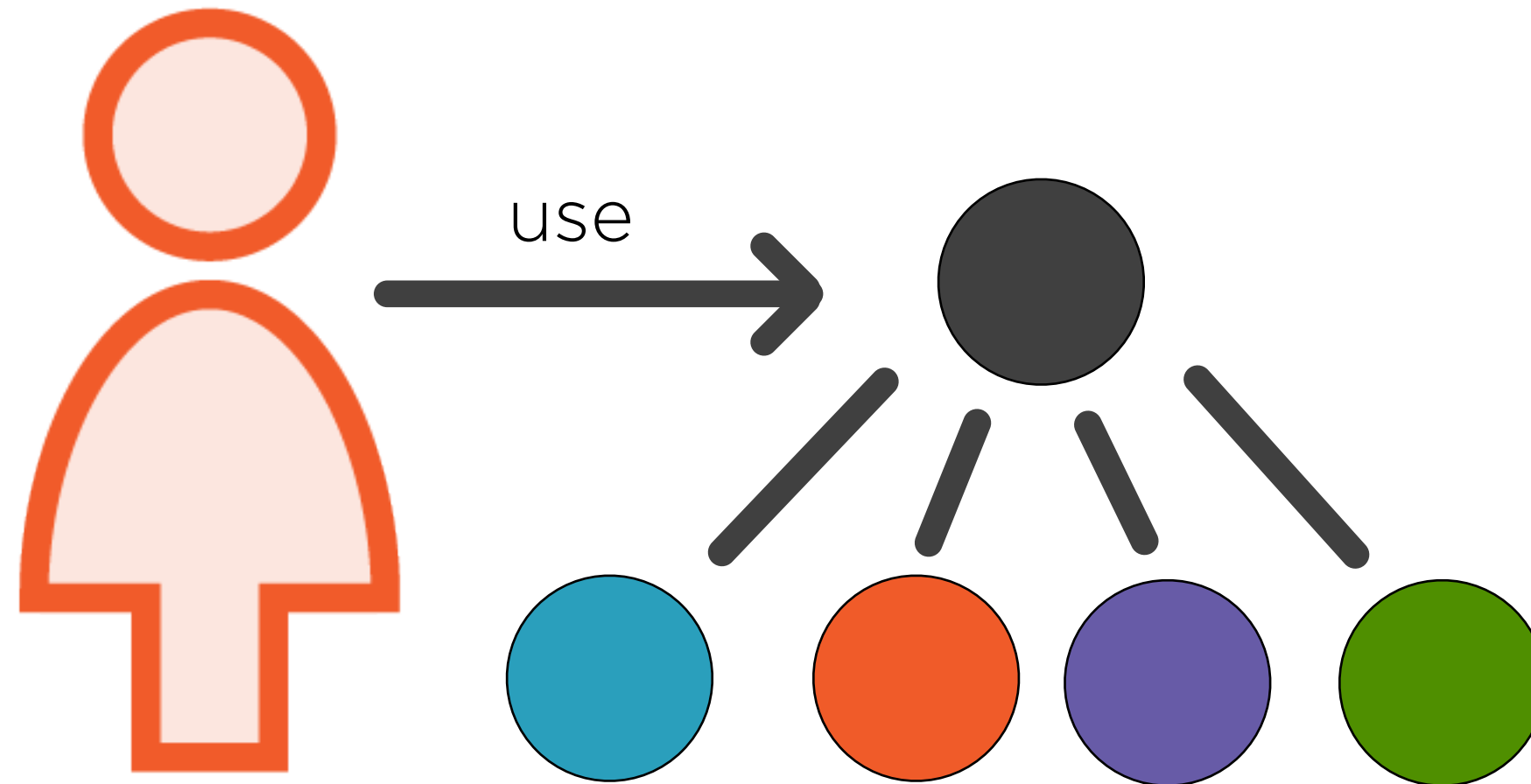- URLSession and FileManager façade

Motivation

Simplifies the interface

- The Façade class provides one straightforward interface

- May wrap a single or multiple classes

- Subsystem classes can still be accessed for lower-level functionality

The Problem

The Solution

Façade

The Façade pattern simplifies the use of complex APIs by providing a higher-level, simplified interface.

Demo

Downloader Component

- URLSession and FileManager

- Simplify usage with the Façade pattern

Summary

The Façade Pattern:
- Wraps types belonging to a complex subsystem

- Simplifies the usage of one or more interfaces

- Isolates the wrapped types from the client

Pitfalls
- Expose details of the underlying types