Visitor

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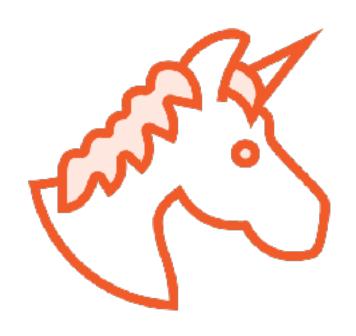
Overview

Motivation

ShoppingCart demo

 - Calculate total price of unrelated items

Motivation

Adds common behavior to unrelated types

- No change in the original code

- Avoids subclassing

- Separates new behavior into a Visitor subclass

Swift type extensions rendered the Visitor pattern obsolete

Visitor

Allows adding new behavior to unrelated types without changing their implementation.

Demo

ShoppingCart demo

- Calculate total price of unrelated items

- Classical Visitor

- Using type extensions

Summary

The Visitor pattern:

- Adds new behavior to unrelated types

- Performs common operations on collections of heterogeneous objects

Remark

- Swift type extension rendered the Visitor obsolete