

Composite



Karoly Nyisztor

DEVELOPER

@knyisztor www.leakka.com

Overview

Motivation

ListFiles

Motivation



Create hierarchical recursive tree structures

- Objects can represent a leaf or a composite
- Manage collections and individual objects in a uniform manner
- All objects in the composite must implement the same interface

Composite

The Composite pattern allows related individual objects and collections of objects to be treated uniformly.

Demo

ListFiles Demo

- The Problem
- Simplify using the Composite pattern

Summary

The Composite Pattern:

- Treat individual objects and collections of objects uniformly
- The same type/protocol is used to access the elements

Pitfalls

- Allow changes of the composite structure