



Parent

**Core Routine Scope**

structured currency

3

0

Child 1

Child 2

Child 3



Child 4

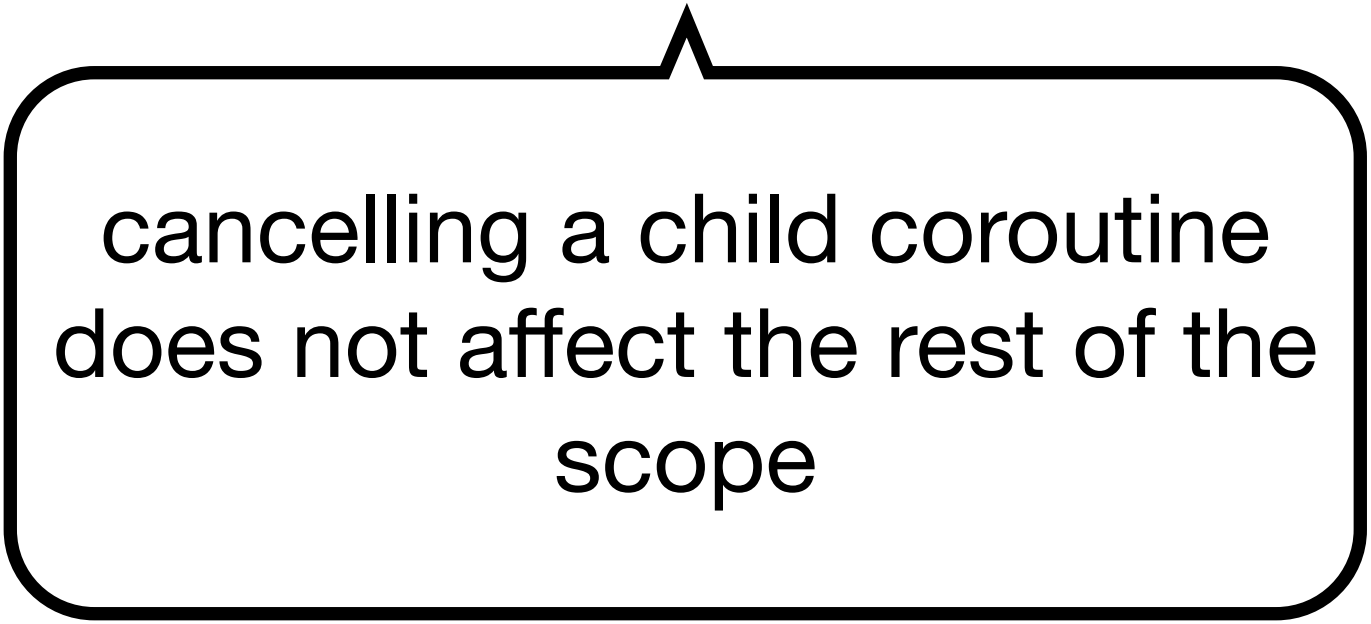
Completed successfully

Active

Error

Cancelled

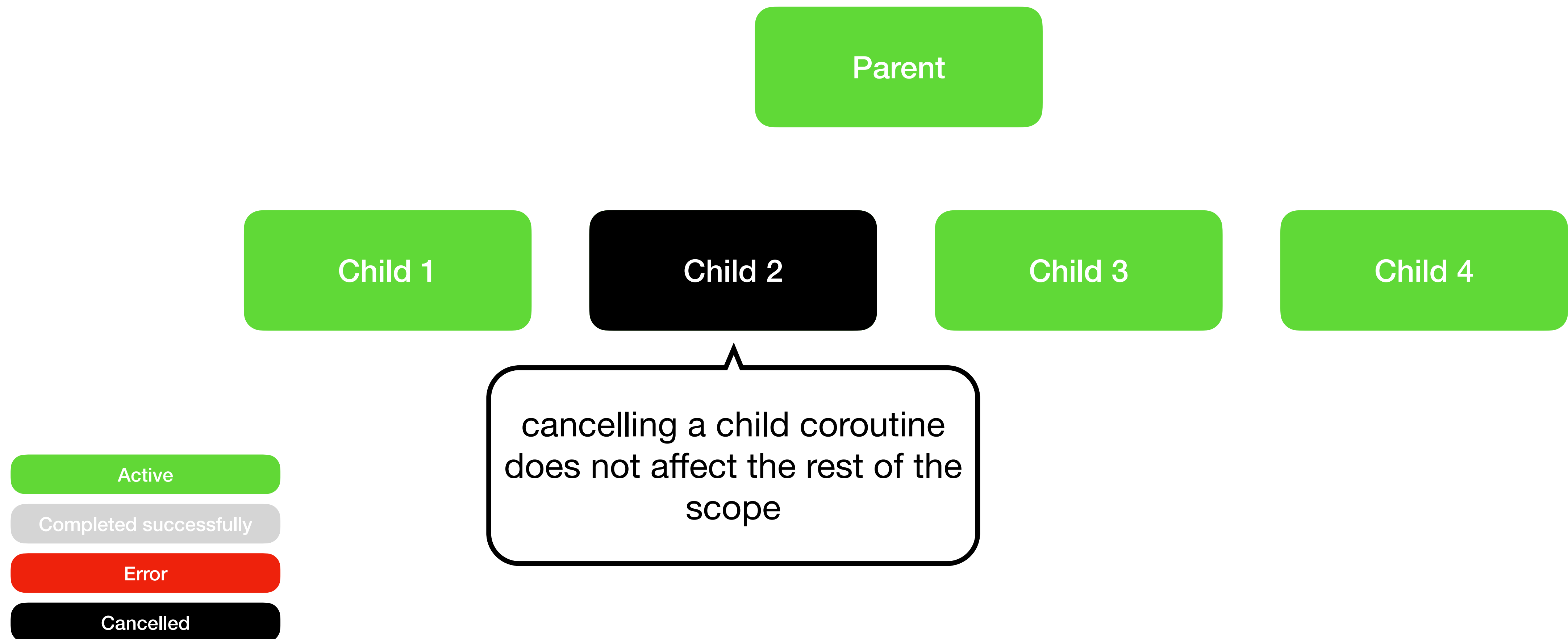
**Child 2**



cancelling a child coroutine  
does not affect the rest of the  
scope

# Coroutine Scope

## structured concurrency





# Coroutine Scope

## structured concurrency

```
suspend fun bakePretzels(): List<FinishedPretzel> = coroutineScope {  
    val oven = async { preheatOven(ColdOven) }  
    val dough = async { prepareDough() }  
    val uncookedPretzels = List(5) { async { shapePretzel(dough.await()) } }  
    val bakedPretzels = async { bake(oven.await(), uncookedPretzels.awaitAll()) }  
    val topping = async { prepareTopping() }  
    bakedPretzels.await().map { finishPretzel(it, topping.await()) }  
}
```