This course has already ended.
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CS-E4110 / Round 4 - Concurrency frameworks / 4 Supervisor -- Understanding supervisor strategies in Akka.

Assignment description | My submissions (1/10)

Supervisor -- Understanding supervisor strategies in Akka.

Supervisor

In an actor system, you want actors to have a system of notifying other actors about their status including an unfortunate death. In Akka, every actor acts as a supervisor for its children. When a child fails, it suspends message processing and sends a message to its parent to decide what to do about its failure. The policy that decides what happens to the parent and the child after the child fails is called the supervision strategy. In such a case a parent might decide among others to restart, resume or stop the child. By default, the parent restarts a failed child. One can override this default supervision strategy.

Code

Download the assignment template here

Task

In this exercise, we will implement an actor that creates a child of type A, implements a sane supervision strategy and terminates if the child actor terminates.

Note

Akka Classic actor APIs are used instead of the newer Akka Typed actor APIs in the exercise.

Hint

You can find more information in here and here.

Supervisor.scala

Choose File No file chosen

Submit

Earned points
25 / 25

Exercise info

Assignment category
Programming exercises

Your submissions
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Deadline
Wednesday, 1 December 2021, 14:00

Late submission deadline
Wednesday, 8 December 2021, 14:00 (-30%)

Total number of submitters
46

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