Algorithm – JobHandler

Algorithm 1 Synchronous Job Handler

Implements:

JobHandler, instance jh.

Uses:

1: upon event ⟨ jh, Submit | job ⟩ do
2: process(job)
3: trigger ⟨ jh, Confirm | job ⟩;

Algorithm 2 Asynchronous Job Handler

Implements:

JobHandler, instance jh.

Uses:

1: upon event ⟨ Init ⟩ do
2: buffer := ∅
3: upon event ⟨ jh, Submit | job ⟩ do
4: buffer := buffer ∪ {job}
5: trigger ⟨ jh, Confirm | job ⟩;
6: upon event ⟨ buffer ≠ ∅ ⟩ do
7: job := SELECT(job)
8: process(job)
9: buffer := buffer \ {job}