BACKTEST SIMULATIE LIFE CYCLE

1. WebApp

script: TODO [JSP]

SQL create record: id, name, description, owner, timestampStart, status (running), strategy

2. Process launcher

script: launch_process [bash]

arguments: methodName, methodArguments, simulationId

- python method script starten, met methodArguments
- raw output wegschrijven naar file
- SQL (update_simulation_pid.jar) PID toevoegen

3. Process watcher

script: watch_process [bash]

arguments: PID, simulationId

- track .raw output file
- if 'OAK_PROGRESS' is detected, call update_simulation_progress.jar
- if 'And Now His Watch is Ended' is detected, call finalise_simulation.jar
- if process is killed without final sentence, also call finalise_simulation.jar

4. Simulation finaliser

script: finalise_simulation [JAVA]

arguments: simulationId, status

- SQL update timestampEnd
- SQL update status if not already stopped!
- SQL calculate return & gain

5. Process killer

script: TODO [JSP]

arguments: simulationId

- SQL update timestampEnd, status, totalGain, totalReturn
- kill PID (en niet omgekeerd, want status moet in db zeker eerst stopped zijn, anders race met watch_process bash)