Simulation Algorithm

Start Simulation

Read Configuaration json File → Create Configuration Object

Read Requests csv File → Sort Requestes → Put requestes in Queue

StartSimulationTime = FirstRequestDate - Xtime → Create object CloudEnvironmentSimulator(**Queue,Configuartion**) → InstanciateMinIdleWorkers()

EndOfSimulation=false

is EndOfSimulation True ? — Yes → Show Simulation Result

No → if all workers are Idle && Queue is Empty

Loop

No

if all workers are Idle && Queue is Empty — Yes → EndOfSimulation=false

No