Simulation Controls

Simulation

1.Simulator Master running in its own thread

Presentation

2.Presentation Master running in its own thread

Other

3. Simulator and Presentation Master being controlled by external source . In this case once the master

Thread Control

Yes

No

Other

START

a. If Simulation started, then until we receive the Stop command ,simulation produces results

PAUSE

b.If Paused, then until we receive the Resume command ,simulation will not produce results

RESUME

c.If Resume, then simulation will produce results from the last paused event.

STOP

d.If Stopped , then simulation will Stop.

Grid Temparature

External Controls & Stimuli

	Stimulus	Response
1	Simulator Master	Simulation can run in its own thread and the user can select START,PAUSE,RESUME and STOP simulation
2	Presentation Master	Presentation master can run in its own thread and the user can select START,PAUSE,RESUME and STOP simulation
3	Other	Here the simulator and presented are controlled by external master and each one of the simulation and presentation will share the results and display the results of simulation. Presentation will display the results of simulation, once the simulation is complete. Similarly Presentataion will reach to simulation once display of results is complete. Each of two process will use buffer space to temporarily store intermediate results.

Events

1. If Simulation runs in its own thread
a.Start event starts the simulation
b.Pause event pauses the simulation
c.Resume event starts the simulation from the last event occurrence
d.Stops the simulation
2. If Presentation runs in its own thread
a.Start event starts the simulation
b.Pause event pauses the simulation
c.Resume event starts the simulation from the last event occurrence
d.Stops the simulation
3.If Presentation and Simulator are run by external control
a.Start event starts the simulation
b.Pause event pauses the simulation
c.Resume event starts the simulation from the last event occurrence
d.Stops the simulation