«interface»
IGridModel

Attributes

Operations

+ *AddComponent(ComponentEntity component)*
+ *DeleteComponent(ComponentEntity component)*
+ *GreenLight(TrafficLightEntity e, TrafficLightGroup t, int n)*
+ *OpenFile(string path)*
+ *ResizeGrid(int w, int h)*
+ *RotateComponent(ComponentEntity component)*
+ *SaveFile(string path)*

GridModel

Attributes

- _grid : GridEntity

Operations

+ AddComponent(ComponentEntity component)
+ DeleteComponent(ComponentEntity component)
+ GreenLight(TrafficLightEntity e, TrafficLightGroup t, int n)
+ OpenFile(string path)
+ ResizeGrid(int w, int h)
+ RotateComponent(ComponentEntity component)
+ SaveFile(string path)

Sumilation

Attributes

- _callBacks : Action
- _grid : GridEntity
- _time : int
- _timer : Timer

Operations

+ AttachTick(Action call)
+ ChangeSpeed(int n)
+ DetachTick(Action call)
+ Pause()
+ Start()
+ Stop()
- OnSimulationTick()

«interface»
ISimulation

Attributes

Operations

+ *AttachTick(Action call)*
+ *ChangeSpeed(int n)*
+ *DetachTick(Action call)*
+ *Pause()*
+ *Start()*
+ *Stop()*

«interface»
IReport

Attributes

Operations

+ *Clear()*
+ *GenerateBitmap(string path)*
+ *GenerateReport() : List<Tuple<x, y>>*
+ *OnSimulationTick()*