## Graph Interface **Graph Subsystem Class Model** Name {I} Graph spec {I} **Graph Input Port** (See Specification subsystem) Graph {I, I2, R32, R33} Graph interface {I,R32} provides Graph spec {I, R32} Socket {I2, R33} **Graph Port** R33 Socket Graph {I,R31} R31 $ID:Socket\:ID\:\{I\}$ Graph interface [I,R31] Graph : Graph Name {I Graph Spec {I, R31} provides input to **Graph Output Port** Connection Graph {I, I2, R32, R34} Socket {I, R27} is provided by Graph interface {I, R32} Flow {R27} Graph spec {I, R32} **Graph Specification** R27 Graph {I, R27} Graph Flow {12, R34} defines Name {I} Name: Graph Name {I Graph spec {R25} (See Specification subsystem) , gets input from executes in Flow $ID: Flow ID \{I\}$ Graph : Graph Name {I] **Process Specification** Name {I} R28 (See Specification subsystem) **Process** Name: Process Name {I} **Process Input Port** Graph {I, R28} Process spec {I, R28} Port name {I,R30} Process {I,R30} Process spec {I, R30} is provided by Graph {I, I2, R30, R33} Process interface {I,R30} Socket {I2, R33} **Process Port** Name : Port Name $\{I\}$ R29 Process {I,R29} Process spec {I, R29} Graph {I,R29} Process interface {I,R29} **Process Output Port** Port name {I,R30} provides Process {I, R30} Process spec {I, R30} **Process Interface** Graph {I, I2, R30, R34} Process interface {I, R30} Name {I} Flow {12, R34} Process spec {I} (See Specification subsystem)

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Graph Subsystem Class Model

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