HW5 - Class Diagram

Processor

messageBuffer: Buffer

Id: Integer

vc: VectorClock

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sendMessgeToMyBuffer(Message)

update(Observable, Object)

calculateVectorClocks(Observable, Object)

Algorithm

noOfProcessors: int

p0, p1, p2: Processor

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executionPlanForP0()

compute(Processor, Message)

send(Processor, Message)

Receive(Processor, Message)

Buffer

Message: Message

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getMessage()

setMessage(Message)

Vector Clock

vc: int

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compareTo(VectorClock)

updateAt(int, int)

Message

MessageType: MessageType

vc: VectorClock

<<Enumeration>>
MessageType

COMPUTATION

SEND

RECEIVE