Scheduler

-event_list: EventList
-gate_event_lists: Map<String, EventList>
Mapping gate IDs
to EventLists

+schedule(event_id:String)
+getNextTransitionEventId(): String
+reset()
+getEventListForGate(gate_id:String): EventList
+isEmpty(): boolean

EventList

-list: List<String>

+getAt(position:int): String
+getInsertionPosition(event_id:String): int
+remove(event_id:String): boolean
+getEventsAtOrAfter(): List<String>
event IDs

+getCurrentNumberOfEvents()
+getAllEvents(): List<String>
event IDs