

# 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*