Sequence diagram BikeLineAssembly

Client

Server

10 sec
*a new order(*bNewOrder)

Checks for the stock

Parser

outOfstock_orders

orderData.uiQty

Stores the data of the bike ordered

aOrderDataQueue

Assembly Line

uiTotalBikes

Alternative

if bNewOrder:=TRUE

[Else]

bNewOrder:=FALSE

Wait for a new order

Alternative

If

IN - Stock
orderData.uiQty<=STOCK_Bike

[Else]

Out of stock array gets filled

Alternative

If bAssemblyBusy = TRUE

bAssemble:=TRUE;

Queue for assembly array gets filled

[Else]

bike gets assembled

Total Bikes that have been assembled

bBusy should be assigned to FALSE