Headquarters

Weekly

Daily Order

Supplier

Tue + Thu

Customer

Daily Order

Daily Order

Weekly Order

Daily Order

Total cycle time = 0.522 weeks

Total cycle time = 0.522 weeks

Total cycle time = 0.522 weeks

Total cycle time = 0.522 weeks

1 X Daily

I
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Step 1

I
000

Step 2

I
000

Step 3

I
000

Shipping

Step 1	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

Step 2	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

Step 3	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

LEAD TIME (s)		42000
VALUE TIME (s)		4200

0 days

0 day

0 day

0 day

35 Seconds

35 Seconds

35 Seconds

Headquarters

Weekly

Supplier

Daily
Order

Customer

When user adds the supplier or customer symbol, it should be linked automatically to the Headquarters (production center), with an arrow, later on user can remove the arrow or change the arrow with other types of arrows.

If user adds a supplier or customer symbol and there is no production center symbol, than app should give a message for adding a production center, and if user select yes, than add the production symbol and link that to the customer & supplier symbols.

When user adds a process box, a data box should be automatically added under that process box. User can later delete the data box later.

If user deletes a process box, app should delete its data box automatically.

If user deletes a data box, it should give a warning to user, for having a process box with out data box.

Process Name

No of Operators

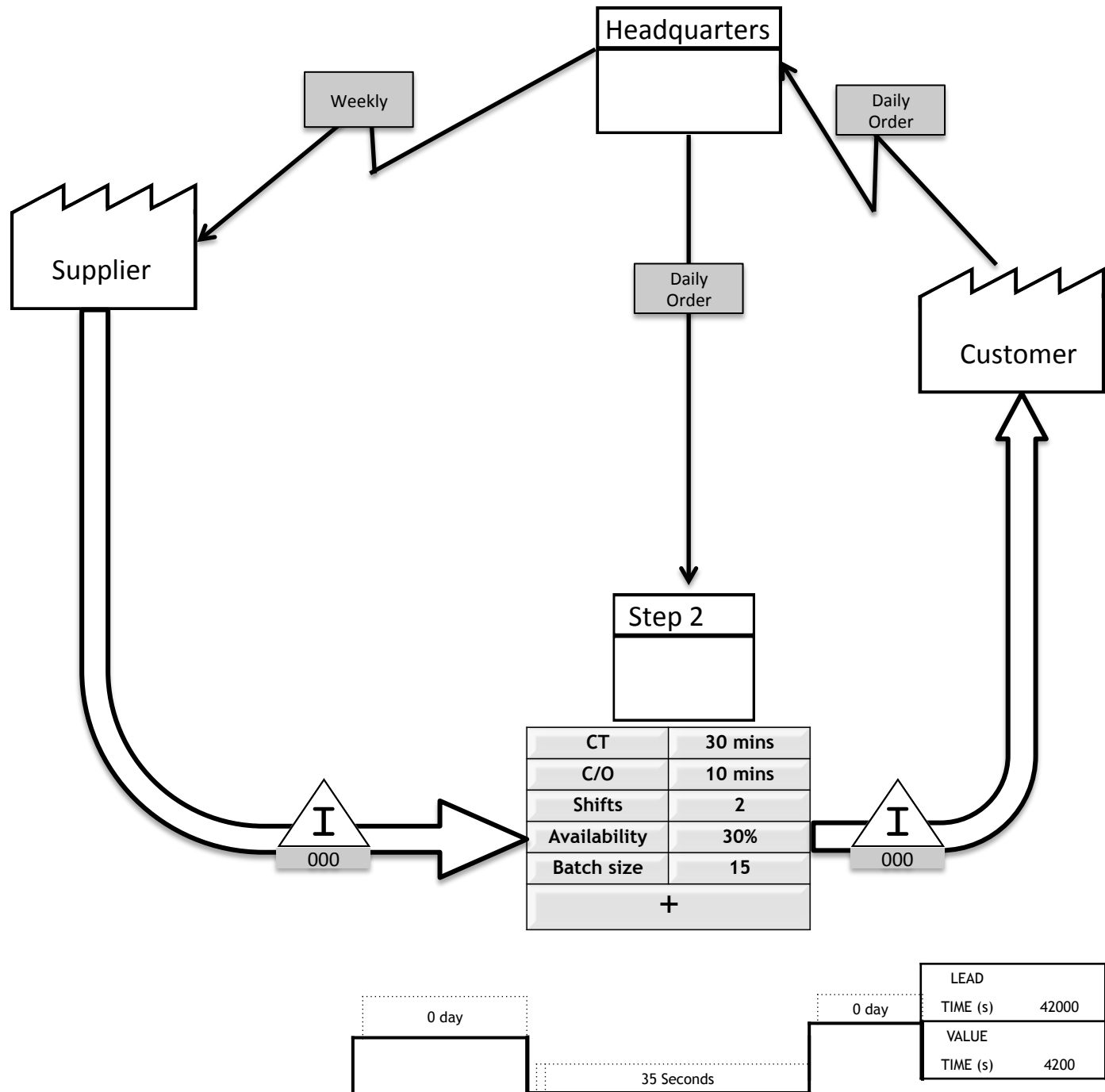| CT	30 mins
C/O	10 mins
Shifts	2
Availability	30%
Batch size	15
+	

When user adds a process box, a data box should be automatically added under that process box and link that process box with the production control box on the top through the arrow. User can later delete the data box later.
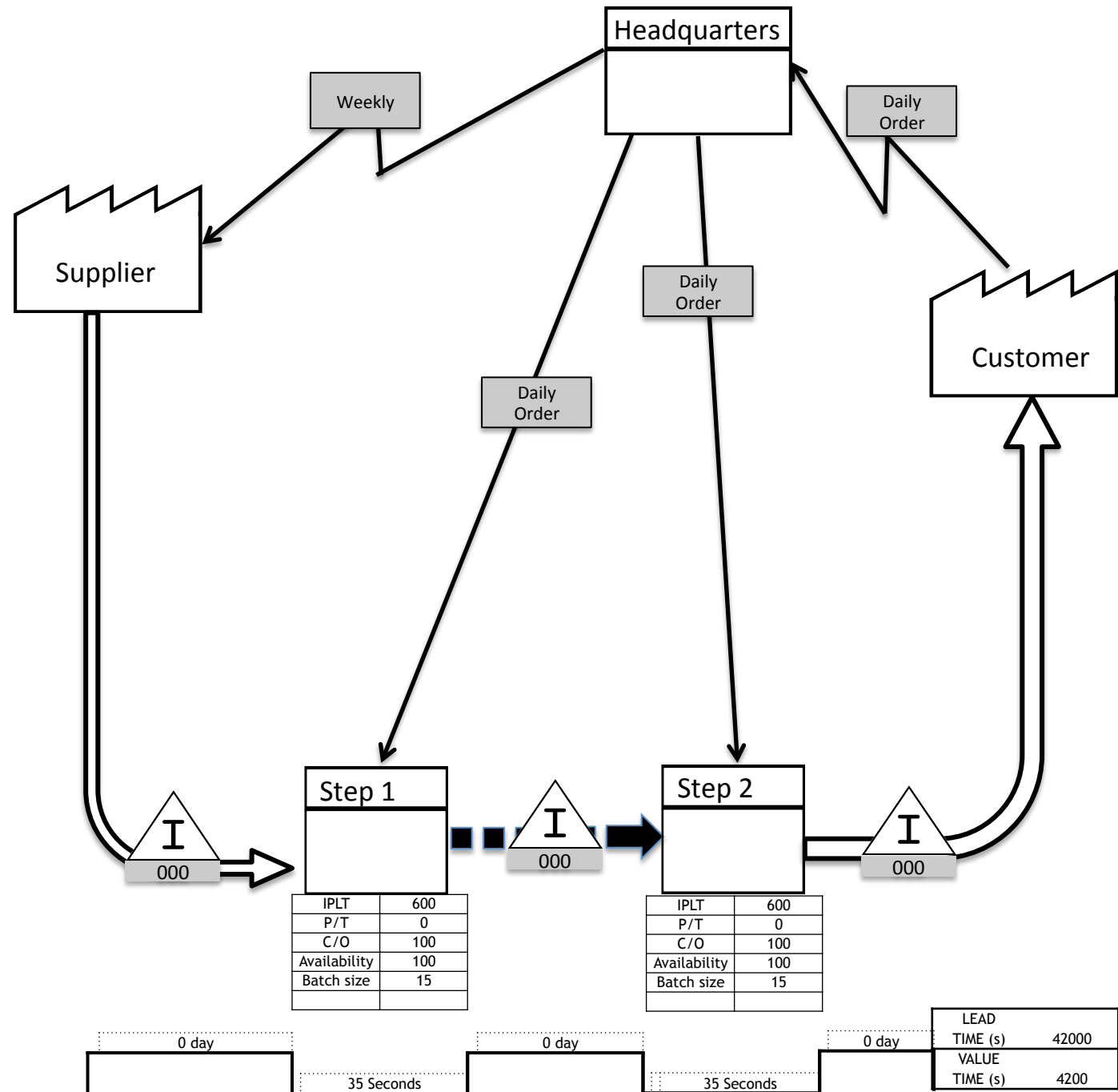
Headquarters

Daily Order

Step 2

CT	30 mins
C/O	10 mins
Shifts	2
Availability	30%
Batch size	15
+	
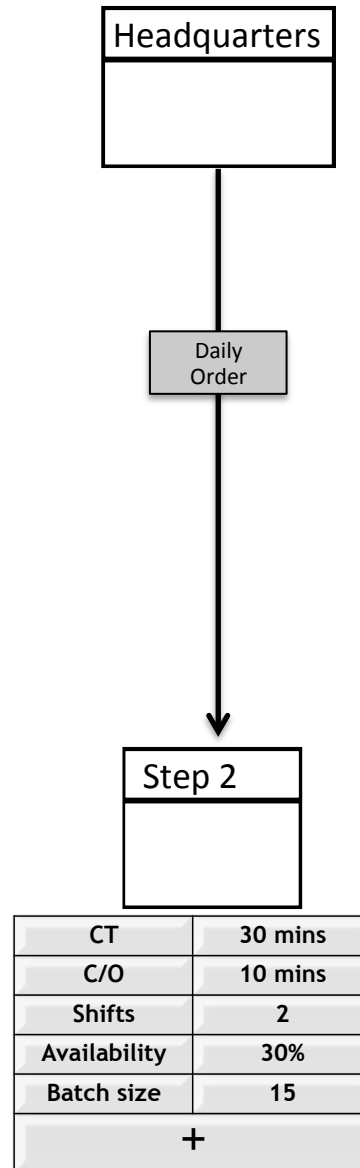
When user adds the process box for the first time, it should link it to the supplier and customer symbols automatically, and also adds the inventory symbols along with time line
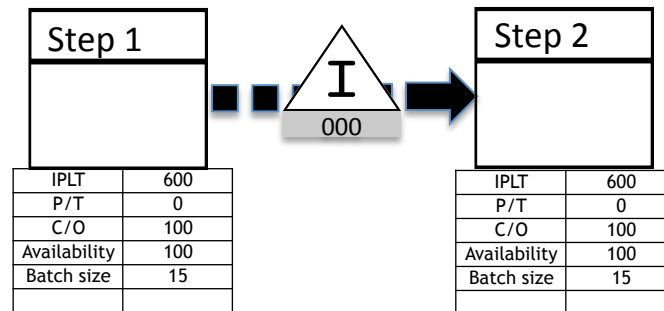
Headquarters

Weekly

Daily Order

Supplier

Daily Order

Customer

Step 2

CT	30 mins
C/O	10 mins
Shifts	2
Availability	30%
Batch size	15
+	

I
000

I
000

LEAD TIME (s)	42000
VALUE TIME (s)	4200

0 day

0 day

35 Seconds

When user adds the process box for second time, it should link it to previous box , and also update the time

Headquarters

Weekly

Daily Order

Supplier

Daily Order

Daily Order

Customer

Step 1		I		Step 2		I	
IPLT	600			IPLT	600		
P/T	0			P/T	0		
C/O	100			C/O	100		
Availability	100			Availability	100		
Batch size	15			Batch size	15		

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000

0 day

0 day

0 day

35 Seconds

35 Seconds

| LEAD TIME (s)	42000
VALUE TIME (s)	4200

When user adds an other process box, it should connect it to the previous process box through the arrow. Also put the inventory symbol in between. User can remove the symbol later.

Step 1	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

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000

Step 2	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

When user adds a process box, it should also add the time line at the bottom

Step 1	

IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

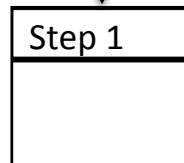Non Value Added Time = A1+A2

Time A2

Time

Value Added Time = B1+B2
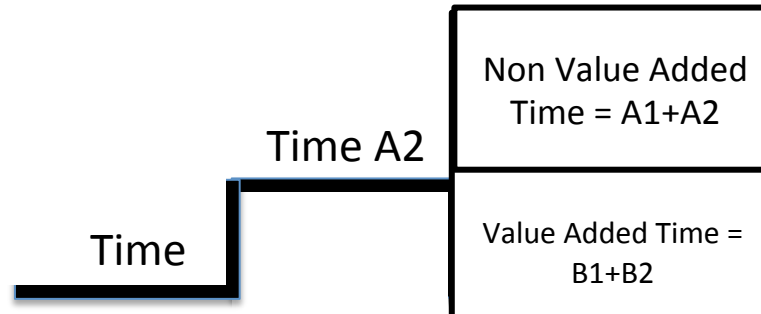
When user adds a process box, it should also add the time line at the bottom, that will be connected to the previous time line symbol. User can add the values in the time line manually, or delete the time symbol. When user adds the value in the time line, it should add the value in the total of Non Value Added or value added. Also add time symbol for the non value added time.
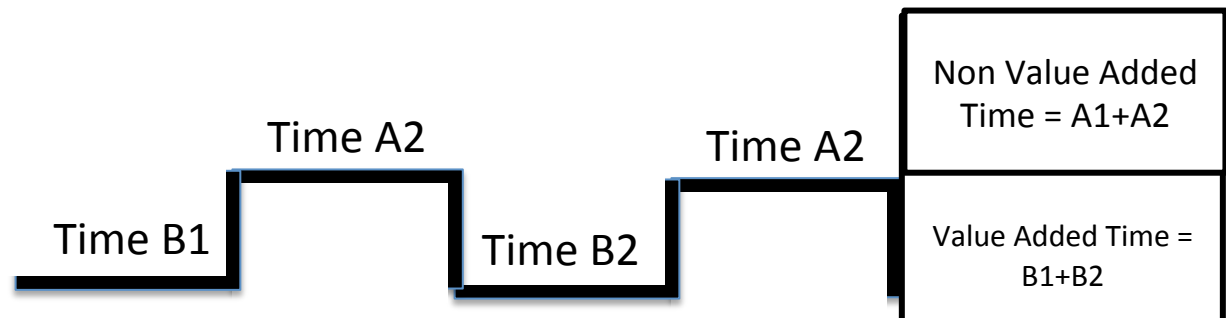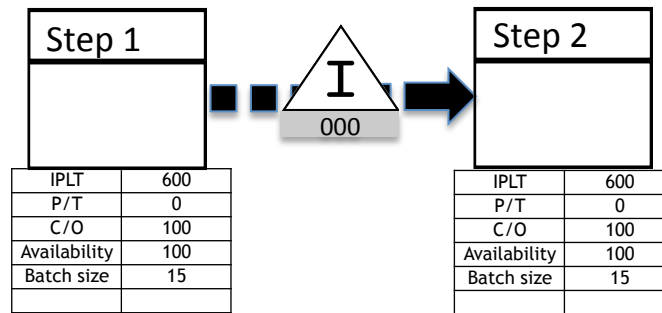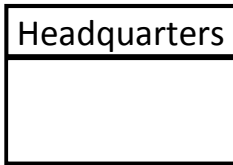
Step 1	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

000

Step 2	
IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

Time A2

Time A2

Time B1

Time B2

Non Value Added Time = A1+A2

Value Added Time = B1+B2

Headquarters

Example of rules 2, 3 & 5

Daily
Order

Step 1

IPLT	600
P/T	0
C/O	100
Availability	100
Batch size	15

Time A2

Time A

Time B

Non Value Added
Time = A1+A2

Value Added Time =
B1+B2