

Prompt 1 Ideal Output:

1. **Start Event O** -> Task [Receives an Order]
2. Task [Receives an Order] -> **XOR Gateway 1**
3. **XOR Gateway 1** -> **Condition (Order Rejected)**
4. **XOR Gateway 1** -> **Condition (Order Accepted)**
5. **Condition (Order Rejected)** -> **Event End O**
6. **Condition (Order Accepted)** -> Task [Inform Storehouse and Engineering Department]
7. Task [Inform Storehouse and Engineering Department] -> **AND Gateway 1**
8. **AND Gateway 1** -> Task [Process Check Part Quantity List]
9. Task [Process Check Part Quantity List] -> **XOR Gateway 2**
10. **XOR Gateway 2** -> **Condition (The Part is Available)**
11. **XOR Gateway 2** -> **Condition (The Part is Not Available)**
12. **Condition (The Part is Available)** -> Task [Reserves the Part]
13. **Condition (The Part is Not Available)** -> Task [Back-Orders the Part]
14. Task [Reserves the Part] -> **XOR Gateway 3**
15. Task [Back-Orders the Part] -> **XOR Gateway 3**
16. **AND Gateway 1** -> Task [Prepares Everything for Assembling]
17. Task [Prepares Everything for Assembling] -> **AND Gateway 2**
18. **XOR Gateway 3** -> **XOR Gateway 4**
19. **XOR Gateway 4** -> **Condition (Parts Left Unchecked)**
20. **XOR Gateway 4** -> **Condition (All Parts Checked)**
21. **Condition (Parts Left Unchecked)** -> Task [Select Unchecked Part]
22. **Condition (All Parts Checked)** -> **AND Gateway 2**
23. Task [Select Unchecked Part] -> Task [Process Check Part Quantity List]
24. **AND Gateway 2** -> Task [Assembles the Bicycle]
25. Task [Assembles the Bicycle] -> Task [Ships the Bicycle]
26. Task [Ships the Bicycle] -> **Event End O**

Sales Department: [Receives an Order, Ships Bicycle]

Storehouse: [Processes Part List, Part Reserved, Part Back-Ordered]

Engineering Department: [Prepares for Assembling, Assembles Bicycle]

Prompt 2 Ideal Output:

1. **Start Event O** -> Task [Brings in Defective Computer]
2. Task [Brings in Defective Computer]-> Task [Check Defect]
3. Task [Check Defect]-> Task [Prepare Repair Cost Calculation]
4. Task [Prepare Repair Cost Calculation]-> Task [Receive Repair Cost Calculation]
5. Task [Receive Repair Cost Calculation]-> **XOR Gateway 1**
6. **XOR Gateway 1** -> **Condition (Costs are not acceptable)**
7. **XOR Gateway 1** -> **Condition (costs are acceptable)**
8. **Condition (Costs are not acceptable)**-> Task [Take Home Computer]
9. **Condition (costs are acceptable)**-> Task [Continue Process]
10. Task [Take Home Computer] ->**Event End O**
11. Task [Continue Process] -> Task [Inform CRS of Continuation]
12. Task [Inform CRS of Continuation]-> **XOR Gateway 2**
13. **XOR Gateway 2** -> **Condition (No Errors)**
14. **XOR Gateway 2** -> **Condition (Error Found)**
15. **Condition (No Errors)**-> Task [Computer is Repaired, Inform Customer]
16. **Condition (Error Found)**-> **AND Gateway 1**
17. Task [Computer is Repaired, Inform Customer]-> Task [Take Home Computer]
18. **AND Gateway 1** -> Task [Check and Repair Hardware]
19. **AND Gateway 1** -> Task [Check and Configure Software]
20. Task [Check and Repair Hardware] -> **AND Gateway 2**
21. Task [Check and Configure Software] -> **AND Gateway 2**
22. **AND Gateway 2** -> **XOR Gateway 2**

Customer: [brings in a defective computer, decides if costs are acceptable, takes computer home]

CRS: [checks the defect, hands out a repair cost calculation, checks and repairs the hardware, checks and configures the software, hands repaired computer back]