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Module Three – Process Modelling

1. DFD Review
   1. Sink to Sink data flows:
      1. Supplier to Shipper
      2. Carrier to Shipper
   2. Ambiguous Dataflow: Shipment schedule
      1. Is this from 3 to Supplier? Supplier to 3? Both?
      2. Is supplier supposed to be a source or a sink?
   3. Main Data flow does not list the data passed.
      1. It can be implied, but open to interpretation.
2. Describe current purchase and supply process:
   1. The current process takes a customer order, passes it through the checkout process, plans its fulfillment, and finally chooses a supplier to fulfill it.
   2. Data sources involved are:
      1. Customer
3. Online storefront addition:
   1. What processes?
      1. Login/save customer
      2. Update inventory
      3. All other processes are subset of the current processes
   2. What sources?
      1. Supplier (inventory)
      2. Shipper (delivery schedules and charges)
   3. Databases?
      1. Inventory
      2. Customer cart
      3. Order history
      4. Customer data
4. Integrate or Create?
   1. I believe that integrating the online storefront into their current process could have multiple benefits. First, the personnel are already trained to handle the purchasing process, they will need only to be trained on the online portions of the same process. Secondly, incorporating the online processes into the physical processes might illuminate areas for improvement in the current process. Finally, my personal experience has seen many physical stores close in the shadow of delivery via online retailers. I fear that this is the way of the future and therefore, they should begin accounting for that possibility.