CS-255-T1150 System Analysis and Design

3-2 Assignment: Evaluate a Process Model

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Sep. 13, 2022

1. **Describe Hamp Crafts’ current purchase and supply process by responding to the following prompts:**
   1. Interpret the provided data flow diagram. What does it show? What does the current purchase and supply process entail?

Customer receives an order, then checks out the order, then the process splits into two paths depending on the requirements. If the order does not require a supplier to fulfill the order it is sent to a carrier for shipping. If a supplier is required for fulfillment, a supplier is chosen, contracts are negotiated, the supplier fulfills the order and it is then shipped.

* 1. What are the data sources involved in the current process?

The data sources of the flow customer, supplier, carrier and shipper

1. In order to add this functionality, you will need to consider Hamp Crafts’ current purchase and supply process. Then you will need to **determine the additional requirements needed to support an online storefront** by responding to the following prompts:

* What additional processes are necessary to integrate an online storefront?  
  Additional processes would include customer profiles, catalog of products to purchase, shopping cart to hold items for purchase, a checkout process including payment processing and a way for customers to view and track orders placed.
* What additional data sources would the system need to access the products and inventory?   
  Inventory and order management
* What additional databases, if any, are needed to support the online storefront?  
  Inventory, customers, orders and shipments (for tracking which carriers and shippers were used for orders)

1. Finally, **determine how to integrate the new online storefront** into Hamp Crafts’ current purchase and supply process by responding to the following prompt:
   * Would you recommend creating a separate new system for the online storefront or incorporating elements of the online storefront into the current process model? Explain your reasoning.

I would recommend incorporating the elements of an online storefront into the current model. Taking this route would allow for building on the already existent process model by simply adding in the new processes. An inventory management process would need to be implemented so stock shown in the online store would be accurate and customers would not purchase items not in stock. A payment system would also have to be put in place so taking payments online would be possible.