**John Bell**

**11/16/2024**

**CS-255**

**Assignment Evaluate A Process**

**Describe Hamp Crafts’ current purchase and supply process** by responding to the following prompts:

Interpret the provided data flow diagram. What does it show? What does the current purchase and supply process entail?

The data flow diagram shows the way Hamp crafts handles customer orders. There current process is: the customer makes and order then Hamp crafts receives the order, after that to checkout where the payment is made. If the items from the order are in stock the process moves to create a shipping plan, if the items are not in stock the process will move on to fulfill order which entails choosing the supplier, negotiating the contract with that supplier. Once the order is fulfilled the process moves on to shipping.

What are the data sources involved in the current process?

The data sources involved in the current process are the customers order, supply, carrier and the shipping details.

For the new online storefront, Hamp Crafts’ owners want to ensure that customers can easily view products, pay for them, and receive confirmation of their orders. The owners want to be sure that any payments will be transferred to Hamp Crafts’ business account. You have also suggested adding an administrative backend to provide customer support, update customer information, and maintain the website.

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?

It would be necessary to add an administrative backend to manage payments, inventory in stock as well as what's been sold, adding and administrative backend will provide support for customers and provide a way to do maintenance on the website. The payments process will take payments from the customer and send them to Hamp crafts business account inventory process will keep the system updated as to what inventory is coming in or going out.

What additional data sources would the system need to access the products and inventory?

The system would need to include the stores inventory on hand, this system needs to be able to order more inventory as it runs out. The data sources needed most would be inventory, supplier availability, shipping details and prices.

What additional databases, if any, are needed to support the online storefront?

It will need a database for dealing with customer support, updating customer information and updating inventory information.

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?

I would recommend incorporating elements of the online storefront into the current process model the main reasons being time, cost and simplicity.

Creating a new system from scratch would take more time and the cost to Hamp Crafts would be higher.