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# [CS-255-H2981 System Analysis and Design 23EW2](https://learn.snhu.edu/d2l/home/1426255)

# 3-2 Assignment: Evaluate a Process Model

# Southern New Hampshire University

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Hamp Craft’s current purchase and supply process uses a secure merchant account. Transactions are conducted through this local account where all transaction funds are collected through this account. The collected funds from transactions are transferred to the company's primary business account within two business days. Employees are assigned to check the inventory system to ensure timely processing of orders. This is when it is confirmed that there are sufficient products in stock to fulfill customer orders. If there is a potential shortage in inventory or a delay in delivery, communication is handled manually. There is likely a process in place for employees to notify relevant parties about shortages or delays. The inventory specialist and order fulfillment team input information into the local database. This information includes order statuses and tracking details for shipments. The current data sources being used, secure merchant accounts, a data transactions, including customer payments and order amounts. This account contains data about the current stock levels, product availability, and order details. The primary business account receives the transferred funds from the secure merchant account.

The local database stores this information entered by the inventory specialist and order fulfillment team which includes data on order statuses, shipment tracking, and potentially inventory levels. These interactions involve human interaction for communicating shortages or delays, suggesting a non-digital source of information.

Hamp Crafts owners want to ensure that customers can easily view products, pay for them, and receive confirmation of their orders.  In order to add this functionality and to integrate these additions to their online storefront they must consider a reliable and secure e-commerce platform that implements a system to manage and display the product catalog online. Create user accounts for customers and develop a shopping cart system that allows customers to add products, view the cart, and proceed to checkout easily.

Hamp Crafts would need to add additional data sources to support an online storefront for the system to effectively manage products and inventory. A centralized product database is essential to store information about each product. The system would need to access data related to customer orders via the Order Processing System which can handle payment transactions with a payment gateway. All this information would need to be accessed from a customer database for managing user accounts, order history, and personal information.

To support the online storefront for Hamp Crafts should consider these additional databases. Databases would include product, inventory, customer, order, and payment. These databases work together to ensure that the online storefront functions smoothly.

To achieve the goals and the additional functionality required detailed by Hamp Crafts, I would recommend creating a separate new system for the online storefront. An online storefront has specific requirements and functionalities such as scalability, flexibility, user experience and maintenance. Creating a separate new system for the online storefront allows for a focused, specialized, and scalable solution while maintaining essential integration points for a cohesive overall business operation.