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Figure 2.0 shows a Data Flow Diagram (DFD) for a sales and inventory management system with two user roles: Admin and Staff. Admin users can log in to update product information, manage inventory, and generate monthly and yearly reports, with updates tracked in the User, Product, Inventory, and Sales tables. Staff users can log in to update the cart, process orders, and check inventory before finalizing orders, with updates stored in the Cart and Order tables. The system ensures accurate order validation and inventory tracking, while logging inventory changes in the Inventory-history table for historical records. This DFD outlines the flow of data and interactions that facilitate seamless sales and inventory operations.

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