

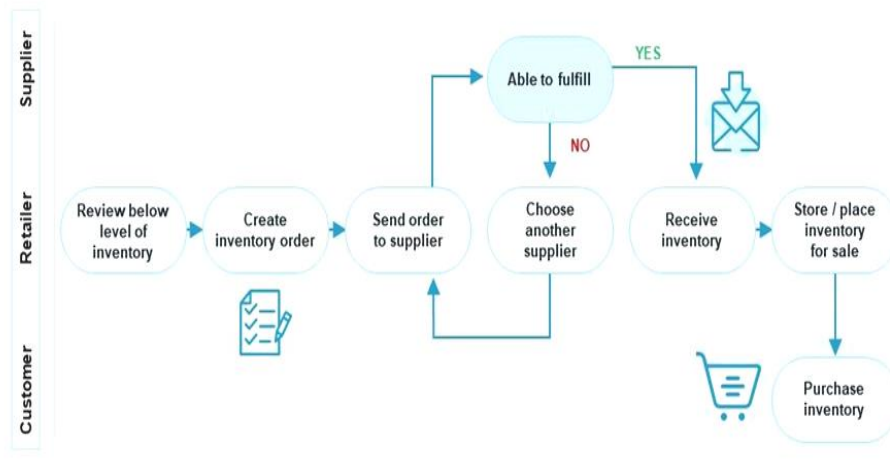
Project Design Phase-II Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID29793
Project Name	Inventory Management System For Retailers
Maximum Marks	4 Marks

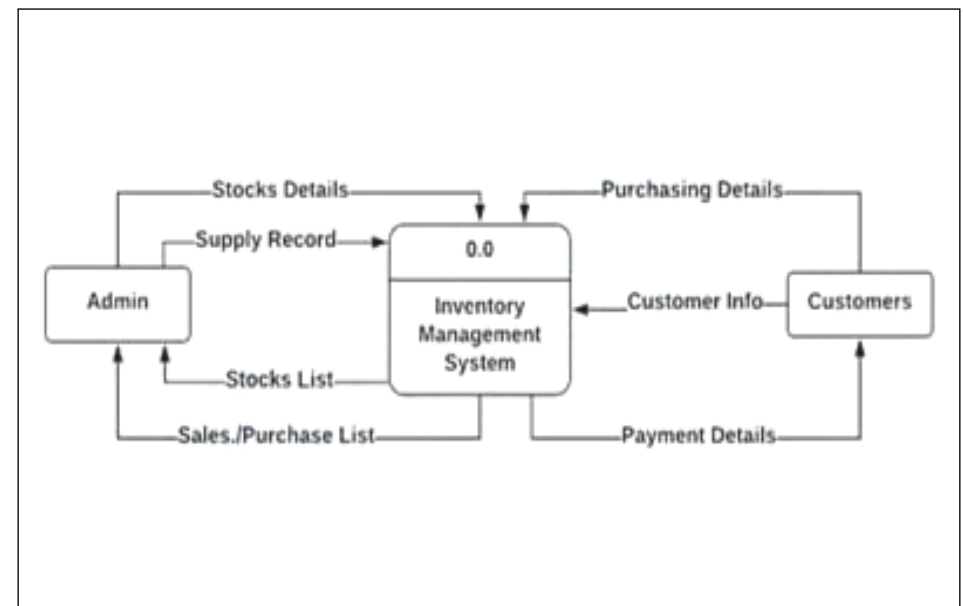
Data Flow Diagrams:

The Data Flow Diagram (DFD) depicts the data flow and transformations that occur when data enters and exits a system. This DFD represents and describes the inventory management system as a whole, including input, processing, and output.

Example: [\(Simplified\)](#)



Example: DFD Level 0 (Industry Standard)



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Administration	USN-1	As a store manager,I want the available batch numbers and expiration dates that are currently valies for a product (are in use in the countr) to auto-populate a drop-down list So I don't have to manually enter the batch number for each transaction	System can receive an upload/transfer from a national ERP with product/batch/expiry Administrator can manually add/remove/edit a product/batch/expirty via CRUD screen	High	Sprint-1
	Receive Stock	USN-2	As a store manager at any level, I want to receive a shipment for an order that has already been recorded in the system at a higher level So that my stock balances for all received goods are accurate	The receiving facilities stock cards for all commodities are updated (no change to sending facilities stock cards). Transaction type is receipt (not adjustment).	High	Sprint-1
		USN-3	As a store manager and/or facility in charge I want to receive a shipment of goods (including verifying received commodity counts, identifying any damaged stock, signing the POD, etc.) So that I can replenish my commodities	P1. Recipient can view shipping notice electronically (including products shipped, batches, quantity, etc), and enter actual received quantity, and any damaged stock count P2. Stock for shipment is removed from "in transit" status and transfered to the reccipient 3. Stock card(s) at the receipient facility are incremented by the quantity received 4. Receipt date is recorded (for OTIF - may	Low	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				be different than date entered in the system)		
	Stock Reports	USN-4	As a logistics manager at any level I want a list of facilities that are currently stocked out for a certain product(s) So that I can issue emergency stock		Medium	Sprint-1
	Login	USN-5	As a store room manager, I want my requisition automatically populated with current stock, stock consumed during the month, number of stock out days, etc. So that my requisition is accurate, and I save data entry time		High	Sprint-1
	Dashboard		As a store manager, I want my stock levels to be automatically updated with stock that I receive via informed push So that my stock balance is accurate			
Customer (Web user)			As a national, regional, or district logistics manager I want predictive information on weeks of stock available at facilities (facilities that will stock out soon, based on current stock levels and historical consumption data) So that I prevent a stock out before it happens			
Customer Care Executive			As a store manager, I want to record stock on hand of all commodities at the end of my inventory period, or at any time So that we "true up" the right amount of stock			
Administrator			As a store room manager, I want my requisition automatically populated with current stock, stock consumed during the month, number of stock out days, etc. So that my requisition is accurate, and I save data entry time			

