

Project Design Phase-II
Data Flow Diagram & User Stories

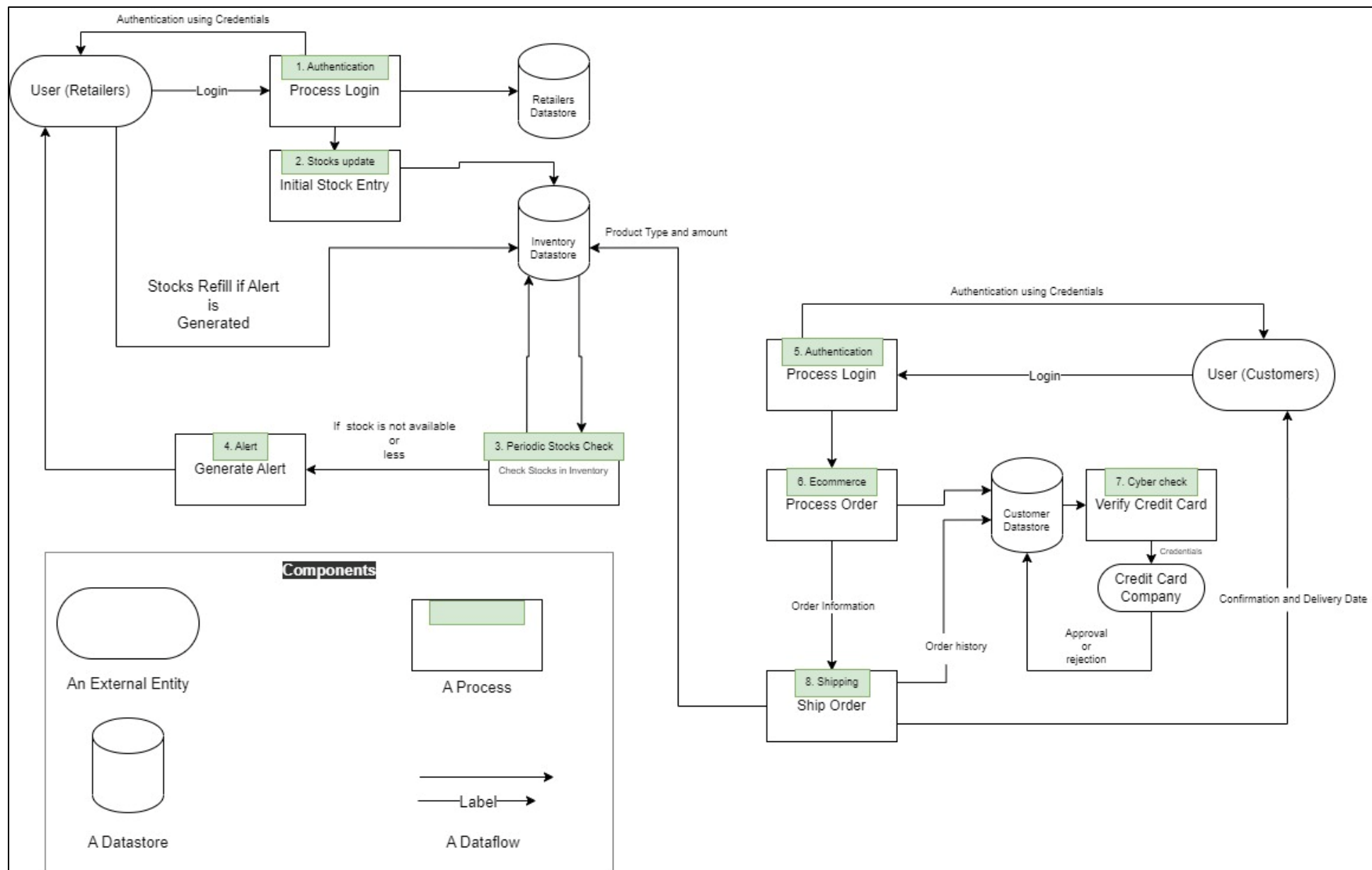
Date	13.10.2022
Team ID	PNT2022TMID13093
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Four components of Data Flow Diagrams are,

- **An External Entity** – (Retailers, End Users(Customers))
- **A process** – The Business process (Functional Requirements)
- **A data store** – IBM cloud
- **A data flow** – Indicated by arrow marks



User Stories

List of all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Retailer	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-3
		USN-4	As a user, I can register for the application through Gmail	I can register and access dashboard	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Successful login into the application	High	Sprint-1
		USN-4	As a user, I can login into the application through Google one Tap Sign in	I can login and access the dashboard with Google One Tap Login	Medium	Sprint-2
	Dashboard	USN-5	As a user, I must be able to see my details on the dashboard.	I can see the profile details.	High	Sprint-1
		USN-6	As a user, I should be able to change password whenever I prefer.	I can see change password feature on the dashboard.	Medium	Sprint-2
	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	Successful edit of product details	High	Sprint-1
		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	Successful edit of product quantity	High	Sprint-1
		USN-9	As a retailer, I should get alert on stock shortage or unavailability.	Successful alert generation	Medium	Sprint-2
Customer (End user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-3
		USN-4	As a user, I can register for the application through Gmail	I can register and access dashboard	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	Successful login into the application	High	Sprint-1
		USN-4	As a user, I can login into the application through Google one Tap Sign in	I can login and access the dashboard with Google One Tap Login	Medium	Sprint-2
	Dashboard	USN-5	As a user, I must be able to see my details on the dashboard.	I can see the profile details.	High	Sprint-1
		USN-6	As a user, I should be able to change password whenever I prefer.	I can see change password feature on the dashboard.	Medium	Sprint-2
	Order	USN-7	As a user, I should be able to order items on the app	Successful order placement	High	Sprint-1
		USN-8	As a user, I should be able to verify and pay in a secure payment gateway	Integration of secure payment gateway	High	Sprint-1
		USN-9	As a user, I should be able to get the product on time.	Product delivery on time	Medium	Sprint-1
Administrator	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	Successful access privileges granted	High	Sprint-1
		USN-2	Termination user accounts temporarily or permanently if needed.	Termination of user account.	Medium	Sprint-2
Customer Care	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	User feedbacks	Medium	Sprint-3
		USN-2	As a customer care team member, I should be available 24/7 to increase customer base	Integration of Chatbot which can work 24/7	Low	Sprint-3