Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID42578
Project Name	Inventory Management System for Retailers
Maximum Marks	4 Marks

Data Flow Diagram:

Reference link : https://app.mural.co/invitation/mural/jansons6034/1661096653090?sender=ua0fb2771a132c2eff76d9354&key=dfee78b2-9958-47f8-8f39-fdaba1290688
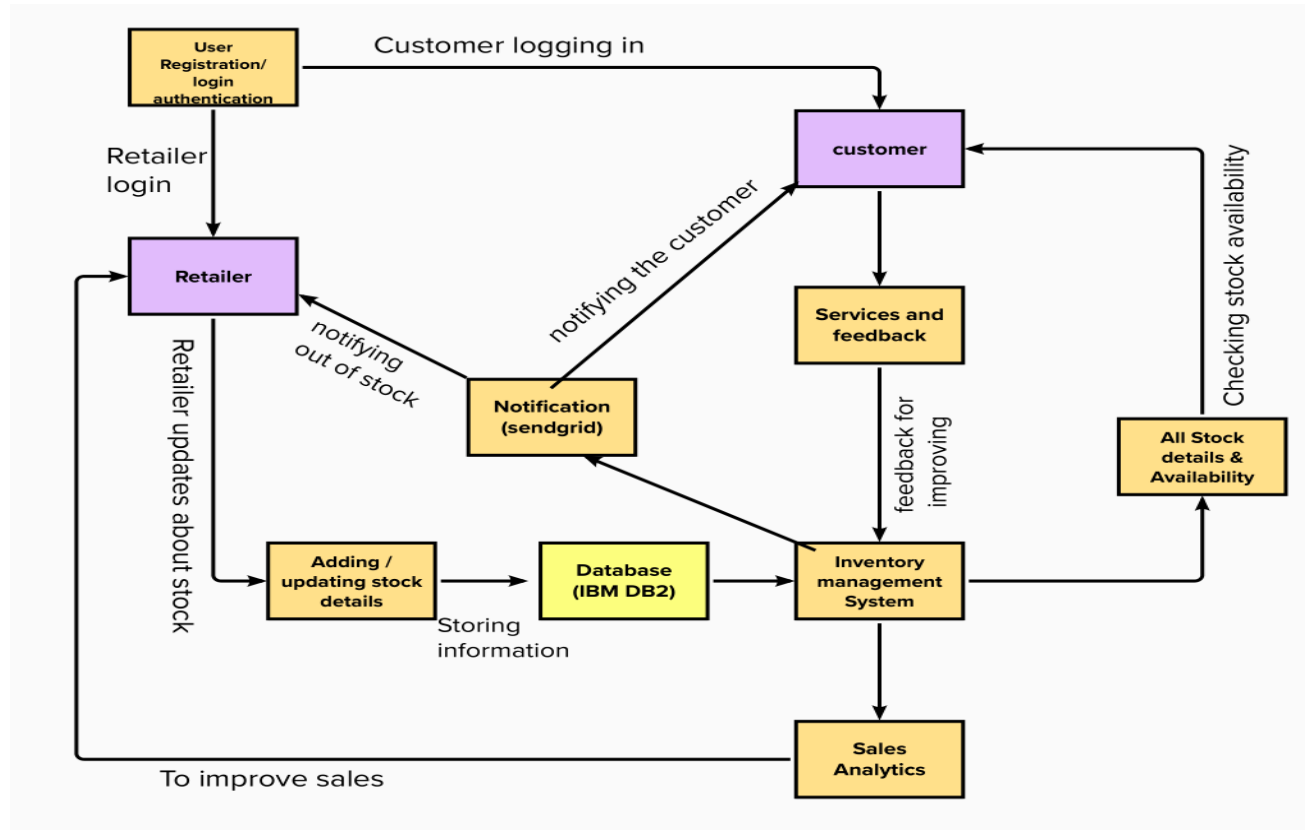
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Retailer	Registration	USN-1	Flask python program can be created	I can create the program	High	Sprint-1
		USN-2	As a user, I can able to see the login page of IMS	Login page is established	High	Sprint-1
	Login	USN-3	As a user, I can able to login through the application	I can access my application	Medium	Sprint-1
		USN-4	As a user, I can able to register the application if I'm a new user	I can able to login to the application	Medium	Sprint-1
	Dashboard (IMS)	USN-5	As a user, I can see to the current inventory products	Navigate to IMS products	Medium	Sprint-2
		USN-6	As a user, I can able to view, add, edit and delete the stocks	I can customize the stocks	High	Sprint-2
		USN-7	As a user, I can fix, view, add and delete the locations	I can set the warehouse locations	High	Sprint-2
		USN-8	As a user, I can able to produce the product movement	I can ensure product movement	High	Sprint-2
		USN-9	As a user, I can able to view, add and delete the product movement	I can customize product movements	Medium	Sprint-2
		USN-10	As a user, I can able to produce the movement from one place to other	I can produce movement from source place to destination place	Medium	Sprint-2

	Database	USN -11	As a user, I can able to produce the user table	User table can be created	Medium	Sprint-3
		USN -12	As a user, I can able to integrate sendgrid and api key	Integrating sendgrid and and Api key	High	Sprint-3
		USN -13	As a user, I can able to integrate flask program with database	Integrating Flask	Medium	Sprint-3
		USN -14	As a user, I can able to integrate login/register page with database	Integrating login/register page	High	Sprint-3
		USN -15	As a user, I can able to integrate product set with database	Integrating Product set	Medium	Sprint-3
	Deployment	USN -16	As a user, I can able to deploy the images and resources in cloud object storage	Deploying the application into Cloud Object Storage	Medium	Sprint-4
		USN -17	As a user, I can able to deploy the application to test using docker	Deploying to test the application using docker	Medium	Sprint-4
		USN -18	As a user, I can able to containerize the application to run on a cluster	Kubernetes used to containerize the application	Medium	Sprint-4