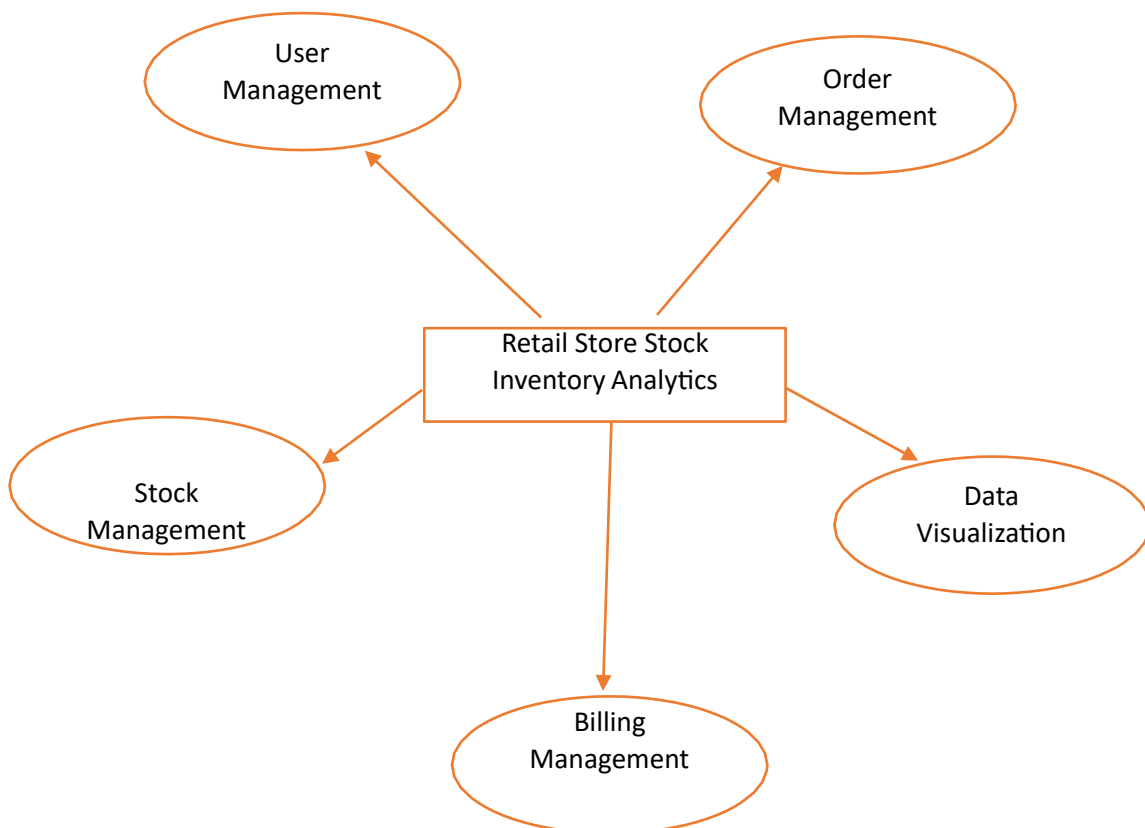# Project Design Phase-II
Data Flow Diagram & User Stories

Team ID	PNT2022TMID22771
Project Name	Retail Store Stock Inventory Analytics

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 theinformation, and where data is stored.

```
User ──────────────▶ Login

  │                    │
  ▼                    ▼

Login to            Manages ──────▶ View the products
application             │
                        ├──────▶ Search the product
  │                     │
  ▼                     ├──────▶ Add Product
                        │
Order                   ├──────▶ Remove Product
                        │
                        ├──────▶ Report generation
                        │
                        ├──────▶ Invoice Generation
                        │
                        ├──────▶ Analyse Stocks based
                        │         on Visualization
                        │
                        └──────▶ Predict Stock
```
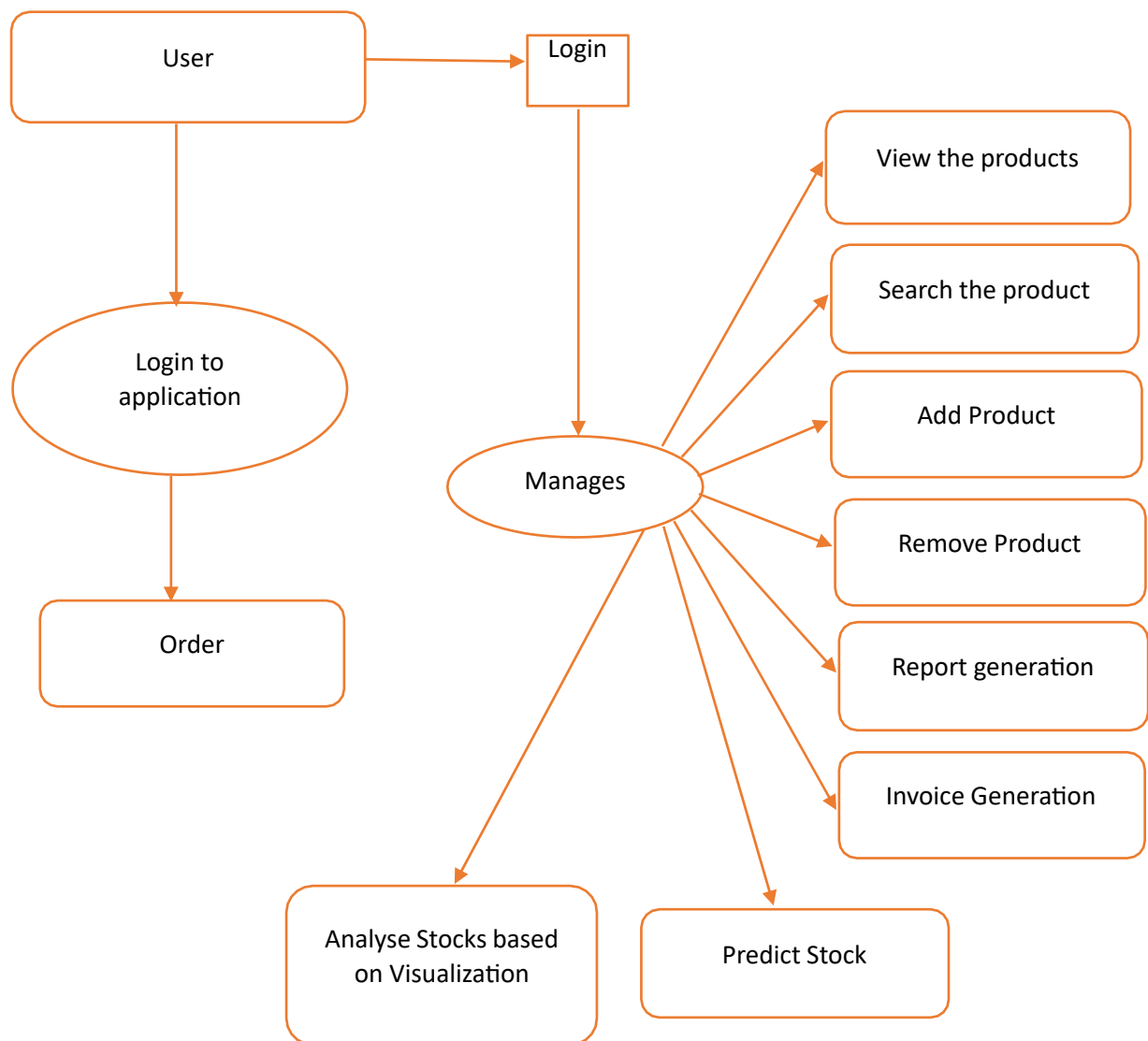
User Stories

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	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 emailonce I have registered for theapplication	I can receive confirmationemail & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application throughGoogle	I can register& access the dashboard with Google Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register application through Gmail	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can login to the application using email &password	High	Sprint-1
	Dashboard	USN-6	As a user, I can view the dashboardand perform analysis	I can accessthe dashboard	High	Sprint-2
	View Stocks	USN-7	As a user, I can view the products	I can accessthe product details	High	Sprint-2
	Search Stocks	USN-8	As a user, I can search the products		Medium	Sprint-2
	Add/Delete Stocks	USN-9	As a user, I can add/delete products	I can update the products.	High	Sprint-3

	Invoice Generation	USN-10	As a user, I can generate invoice calculating taxes, discount andcalculate credits	I can generate theinvoice	High	Sprint-4
	Report Generation	USN-11	As a user, I can generate reportsbased on product sales	I can generate report	High	Sprint-3
	Stock Prediction	USN-12	As a user, I can predict out of stock		High	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer – Web 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 emailonce I have registered for the application	I can receive confirmationemail & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application throughGoogle	I can register& access the dashboard with Google Login	Low	Sprint-2
		USN-4	As a user, I can register for the application throughGmail	I can register application through Gmail	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can login to the application using email &password	High	Sprint-1
	Dashboard	USN-6	As a user, I can view the dashboard and perform analysis	I can accessthe dashboard	High	Sprint-2
	View Stocks	USN-7	As a user, I can view the products	I can accessthe product details	High	Sprint-2
	Search Stocks	USN-8	As a user, I can search the products		Medium	Sprint-2
	Add/Delete Stocks	USN-9	As a user, I can add/delete products	I can update the products.	High	Sprint-3

	Invoice Generation	USN-10	As a user, I can generate invoice calculating taxes, discount andcalculate credits	I can generate theinvoice	High	Sprint-4
	Report Generation	USN-11	As a user, I can generate reports based on product sales	I can generate report	High	Sprint-3
	Stock Predicti on	USN-12	As a user, I can predict out of stock		High	Sprint-4