

## Project Design Phase-II

### Data Flow Diagram & User Stories

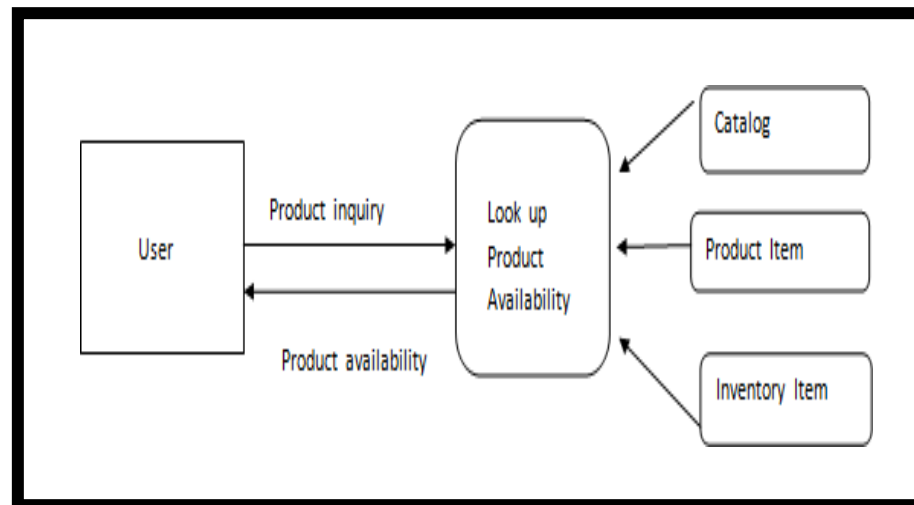
|               |  |
|---------------|--|
| Date          | 17 October 2022                        |
| Team ID       | PNT2022TMID38670                       |
| Project Name  | RETAIL STORE STOCK INVENTORY ANALYTICS |
| Maximum Marks | 4 Marks                                |

#### Data Flow Diagrams:

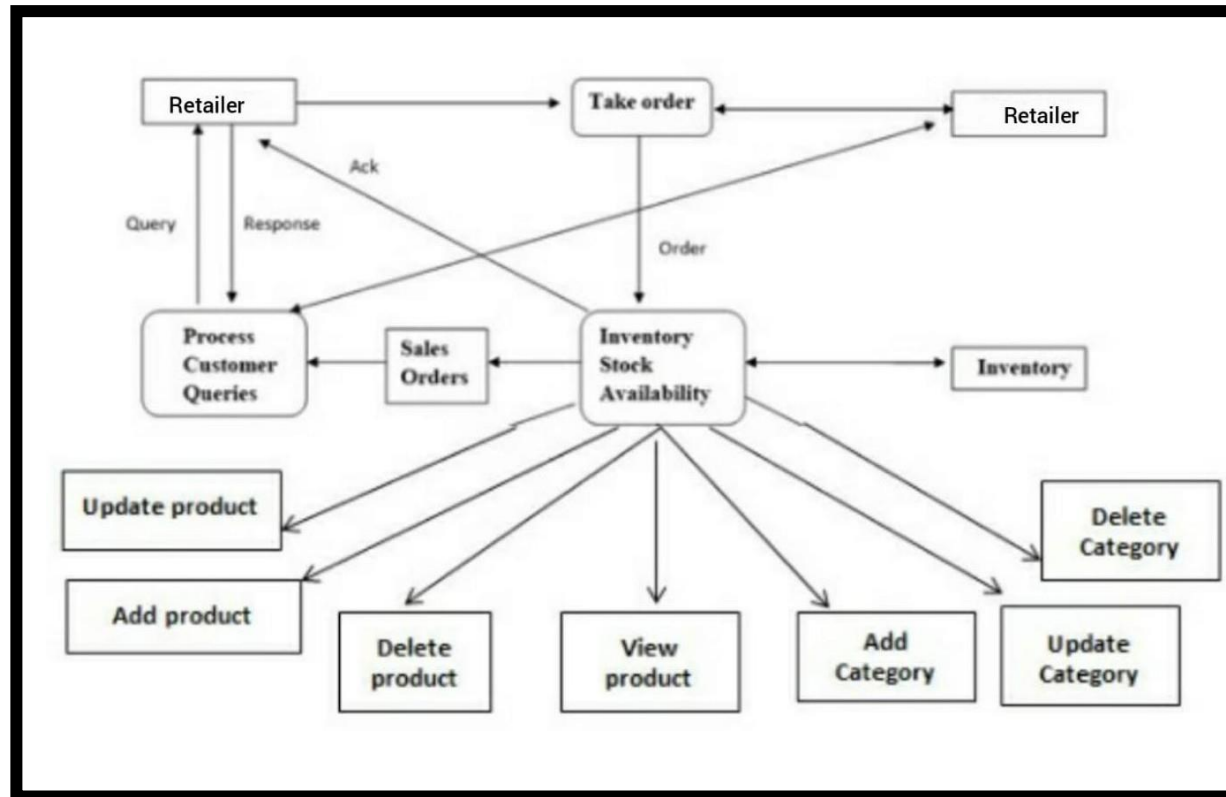
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

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

#### ZERO LEVEL DATA FLOW DIAGRAM



## FIRST LEVEL DATA FLOW DIAGRAM



## 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  |
|------------------------|-------------------------------|-------------------|--|---|----------|----------|
| Retailer<br>(Web user) | Login                         | USN-1             | As a Retailer, I can log into the application by entering email and password (provided by developer)   | I can access my account / dashboard                                 | High     | Sprint-1 |
|                        | Add product                   | USN-2             | As a Retailer, I will be able to add the product by entering their details (product name ,price and category)  | I can view the added products by clicking the view products button. | High     | Sprint-2 |
|                        | Update product                | USN-3             | As a Retailer, I can able to update the product details by entering the product id (product id-known by clicking view product button. Generated by the system while adding)                    | I can update the product details.                                   | Low      | Sprint-2 |
|                        | Delete product                | USN-4             | As a Retailer, I can able to delete the product as it is no longer needed by entering the product id (product id –known by clicking view product button ,Generated by the system while adding) | I can delete the product from the system.                           | Low      | Sprint-2 |
|                        | View product                  | USN-5             | As a Retailer, I am able to view the list of products by clicking the view product button in the stocks tab.   | I can view the list of products.                                    | High     | Sprint-2 |
|                        | Add category                  | USN-6             | As a Retailer, I am able to add category by entering category by selecting details(category name )   | I can create a new category.  | High     | Sprint-1 |
|                        | Update category               | USN-7             | As a Retailer, I am able to update the category details by selecting the category name.  | I can update the category details.                                  | Low      | Sprint-1 |
|                        | Delete category               | USN-8             | As a Retailer, I am able to delete the category details by selecting the category name as it is no longer needed.  | I can delete the category if it is no longer needed.                | Low      | Sprint-1 |
|                        | Order product                 | USN-9             | As a Retailer, I am able to order the products by entering customer details, product id and quantity.  | I can forecast the stocks needed by pre-ordering.                   | High     | Sprint-2 |

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria                        | Priority | Release  |
|-----------|-------------------------------|-------------------|---|--|----------|----------|
|           | View summary                  | USN-10            | As a Retailer, I can view the summary of the inventory such as total orders, stocks details and sales details           | I can view the Total inventory details.    | High     | Sprint-2 |
|           | View Bills                    | USN-11            | As a Retailer, I can view bills based on the amount ,date and customer.   | I can view the Bills.                      | Medium   | Sprint-2 |
|           | Add Employee                  | USN-12            | As a Retailer, I can add employees by entering their details.   | I can generate employee login credentials. | High     | Sprint-3 |
|           | Update Employee               | USN-13            | As a Retailer, I can update the employee details by entering their id.  | I can access the employee details.         | Low      | Sprint-3 |
|           | Delete Employee               | USN-14            | As a Retailer, I can Delete the employee as it is no longer needed.   | I can delete the employee details.         | Low      | Sprint-3 |
|           | View Profile                  | USN-15            | As a Retailer, I can view list of employees and their details by clicking the view profile button.                      | I can view the employees profile.          | Medium   | Sprint-3 |
|           | Notify on critical stock      | USN-16            | As a Retailer, I can view the notification( due to understock and overstock) via mobile phone and dashboard(Home page). | I am aware of understock and overstock.    | High     | Sprint-3 |
|           | Add daily purchase            | USN-17            | As a Retailer, I can add the daily purchase by entering the product ID and quantity.                                    | I can keep track of stocks.                | High     | Sprint-3 |
|           | Login                         | USN-18            | As a Retailer, I can log into the applications by entering email and password (provided by develops).                   | I can access the system.                   | High     | Sprint-1 |
| /         | Order product                 | USN-19            | As an Employee I am able to order the products by entering customer details, product id and quantity.                   | I can enter the pre-order details.         | High     | Sprint-4 |
|           | View summary                  | USN-20            | As an Employee I can view the summary of the inventory such as total orders, stock details and sales details.           | I can view the total inventory details.    | High     | Sprint-4 |
|           | View Bills                    | USN-21            | As an Employee I can view bills based on the amount, amount, date and customer.   | I can view the Bills.                      | Medium   | Sprint-4 |
|           | Add daily purchase            | USN-22            | As an Employee I can add the daily purchase by entering the product ID and quantity.                                    | I am aware of stock availability.          | High     | Sprint-4 |