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

| Date | 22 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID48741 |
| 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.

```
                            REGISTRATION
                    │                           │
                    ▼                           ▼
                Retailer                    Administrator
                    │                           │
                    ▼                           ▼
            Confirmation mail            Confirmation mail
                    │                           │
                    ▼                           ▼
                 Signin                       Signin
                    │                           │
                    ▼                           ▼
               Dashboard                    Dashboard
              ┌────┴────┐              ┌────────┼────────┐
              ▼         ▼              ▼        ▼        ▼
   Customer care   Sales prediction   Service request   Feedback section   Warehouse
                                      services                              inventory
   Update stocks   Stocks availability
```
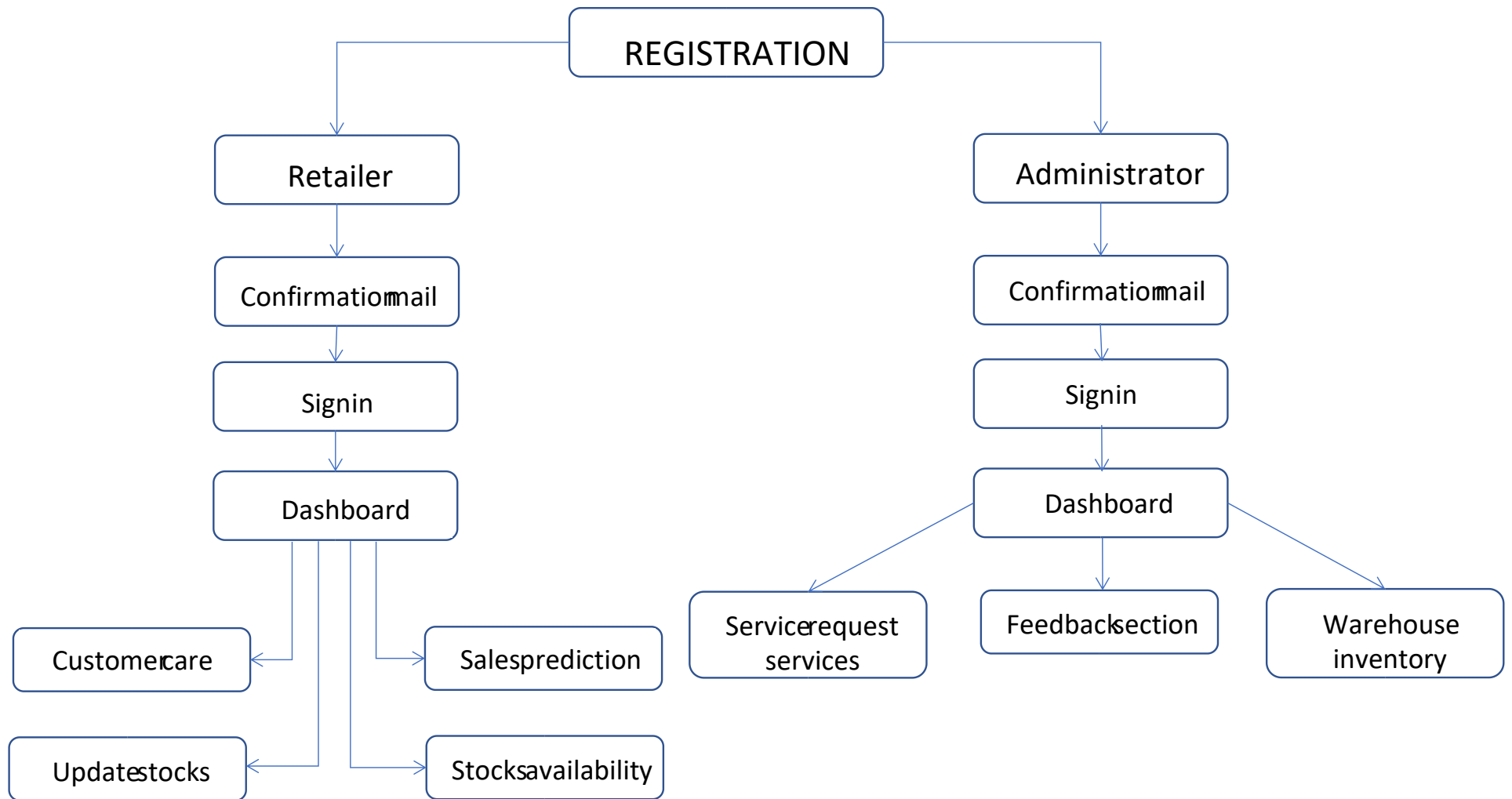
**User Stories**

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 (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 can login through my E-mail | I can access my account / dashboard | Medium | Sprint-1 |
| | Confirmation | USN-3 | As a user, I can receive my confirmation email once I have registered for the application | I can get confirmation email for my account and create an authenticated account. | Medium | Sprint-1 |
| | Login | USN-4 | As a user, I can log in to the authorized account by entering the registered email and password | I can login with registered email and password. | High | Sprint-1 |
| | Dashboard | USN-5 | As a user, I can view the products that are available currently. | Inventory can be viewed once logged in. | High | Sprint-2 |
| | Stocks update | USN-6 | As a user, I can add products which are not available in the inventory and restock the products. | When the products are not available, retailers can restock and update their inventory. | Medium | Sprint-2 |
| | Sales prediction | USN-7 | As a user, I can get access to sales prediction tool which can help me to predict better restock management of product. | The sales prediction tool should forecast the sales so tat the users can order properly and retailers can predict the order to sell. | Low | Sprint-3 |
| Administrator | Request for customer care | USN-8 | As a user, I am able to request customer care to get in touch with the administrators and enquire the doubts and problems. | Users can contact customer support and get help and service from administrators. | Medium | Sprint-4 |
| | Giving feedback | USN-9 | As a user, I am able to send feedback forms reporting any ideas for improving or resolving any issues I am facing to get it resolved. | Users can give feedback of issues or improvements to the administrators. | Medium | Sprint-4 |