# Project Design Phase-II
## Data Flow Diagram & User Stories
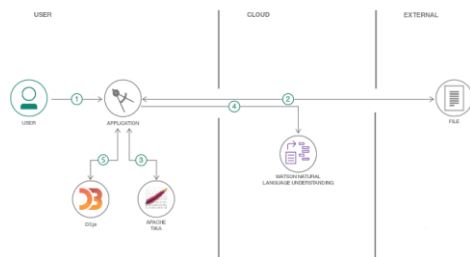
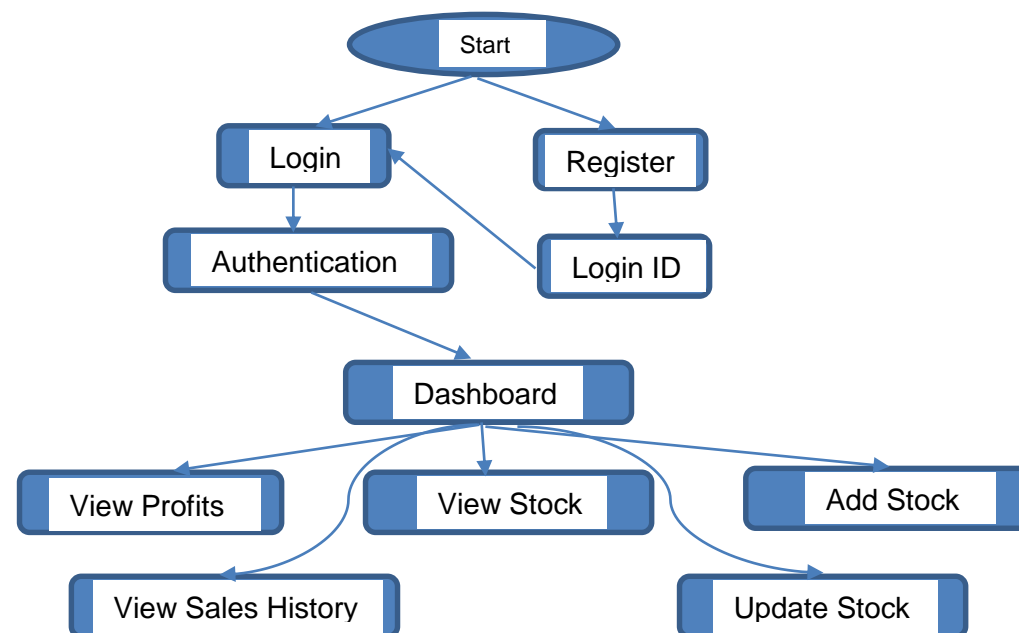| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID17815 |
| Project Name | Inventory Management System for Retailers |
| Maximum Marks | 4 Marks |

**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 enter and leaves the system, what changes the information, and where data is stored.

**Example:** **(Simplified)**



Flow

1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

## 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 | 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 |
| Retailer | | USN-2 | As a user, I can register through my E-mail | I can access my account / dashboard | Medium | Sprint-1 |
| Retailer | Login ID | USN-3 | As a user, I got the login ID. | I got the login ID so that I can access my account | High | Sprint-1 |
| Retailer | Login | USN-4 | As a user, I can log in to the authorized account by entering the Login ID and password | I can login with login ID provided. | Medium | Sprint-1 |
| Retailer | 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 |
| Retailer | Add Stock | USN-6 | As a user, I can add my own stock which are needed for my inventory. | I can build my inventory | Medium | Sprint-2 |
| Retailer | Stock Management | USN-7 | As a user, I can add or remove the stocks. | I can increase the available inventory stocks. | Medium | Sprint-3 |
| Retailer | Get stock notification | USN-8 | As a user, I get the stock available notification at a regular time interval | I can easy manage the stock availability in my inventory | Low | Sprint-3 |
| Retailer | Manage the History of product. | USN-9 | As a user, I need to know the sales history for my inventory | I can view the history of my inventory sales. | Low | Sprint-4 |
| Retailer | Income management | USN-10 | As a user, I need to know the profit and lose of my inventory | I can view my profit of every day | Medium | Sprint-4 |