

Project Design
Phase-II
Data Flow Diagram &
User Stories

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID13988 |
| Project | Retail Store Stock Inventory Analytics |
| Maximum Marks | 4 Marks |

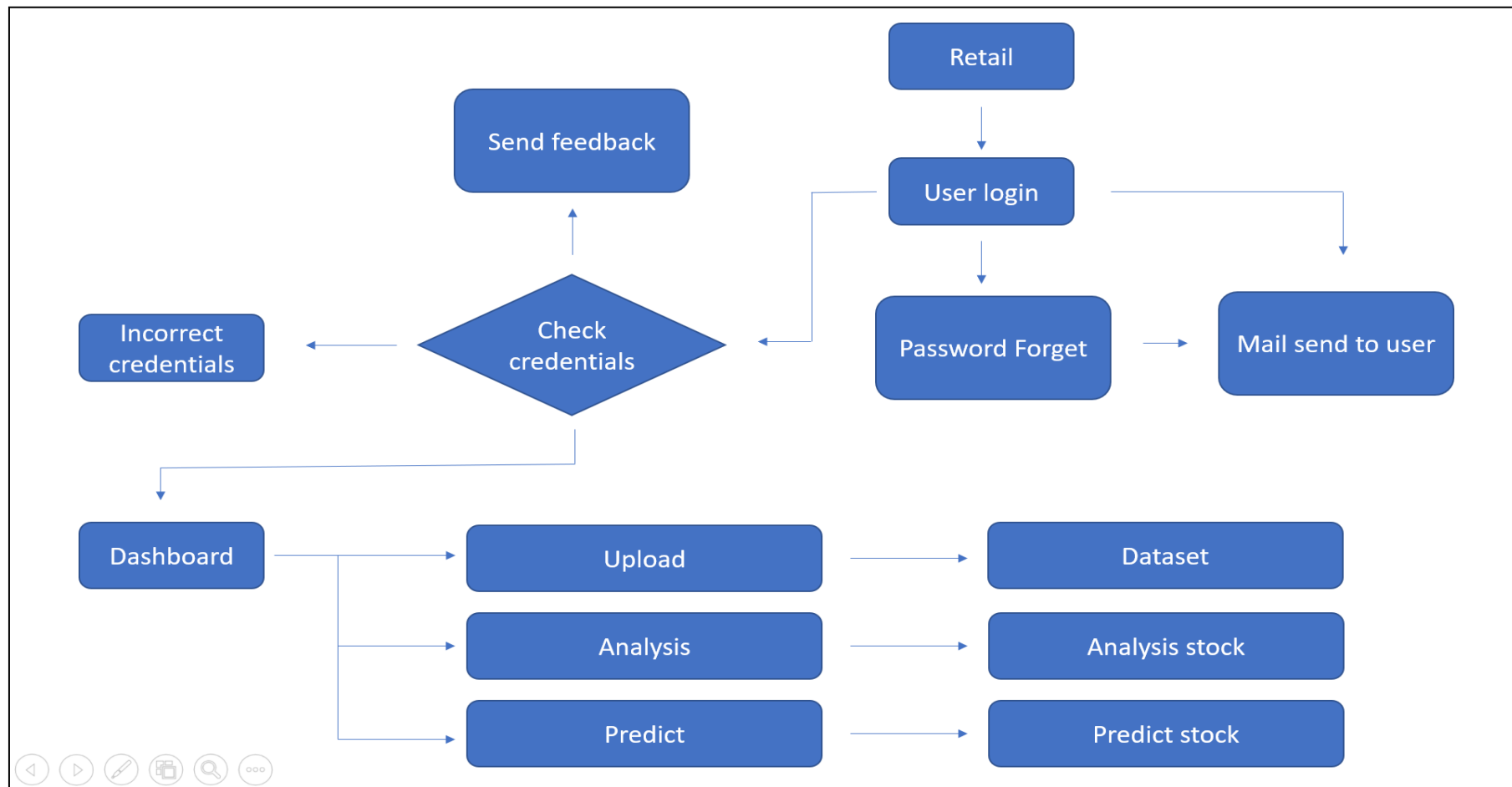
Data Flow Diagram:

A Data Flow Diagram (DFD) is a classic visual depiction of a system's information flows. A tidy and clear DFD may graphically display the appropriate quantity of system need. It demonstrates how data enters and exits the system, what alters the data, and where it is kept.

It maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination.

A data-flow diagram is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow there are no decision rules and no loops.

DATA FLOW DIAGRAM:



User Stories:

| 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 web application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| | | USN-2 | As a user, after completing the registration I will receive confirmation email once I have registered for the web application | I can receive confirmation email & click confirm | High | Sprint-1 |
| | | USN-3 | As a user, I can register for the web application through Google account | I can register & access the dashboard with Gmail login | High | Sprint-1 |
| | Login | USN-4 | As a user, I can log into the application by entering email & password after installing the web application | I can access the dashboard by login into the application | High | Sprint-1 |
| | Dashboard | USN-5 | As a user, I can view the charts and graphs representation of the dataset and the information shown in the dashboard | I can analyze the stocks in my retail store. | High | Sprint-1 |
| Customer (Web user) | | USN-1 | As a user, I can register for the web application entering my email, password, confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| Customer Care Executive | | USN-2 | As a user, after completing the registration I will receive confirmation email once I have registered for the web application | I can receive confirmation email & click confirm | High | Sprint-1 |

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|---|--|----------|----------|
| Administrator | | USN-3 | As a user, I can register for the webapplication through LinkedIn | I can register & access the dashboard withLinkedIn Login | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the web application through Google account | I can register & accessthe dashboard with Gmail login | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can log into the web applicationby entering email & password after installing the application. | I can access the dashboard by login intothe application | High | Sprint-1 |
| | Dashboard | USN-6 | As a user, I can view the charts and graphs representation of the dataset and the information shown in the dashboard. | I can analyze the stocksin my retail store. | High | Sprint-1 |
| Customer Care Executive | | CCE-1 | As a customer care executive, I will alwaysbe available for the interaction with the customer to clarify the queries. | An executive will analyze the customer complaints, rectify their problems | High | Sprint-2 |
| Administrator | | ADMIN 1 | As an administrator, I will manage backupand recovery, data modelling and design, distributed computing, database system, and a data security | Administrator can evaluate, design, reviewand implementing a data, they are also responsible for updatingand maintaining the data. | High | Sprint-2 |