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

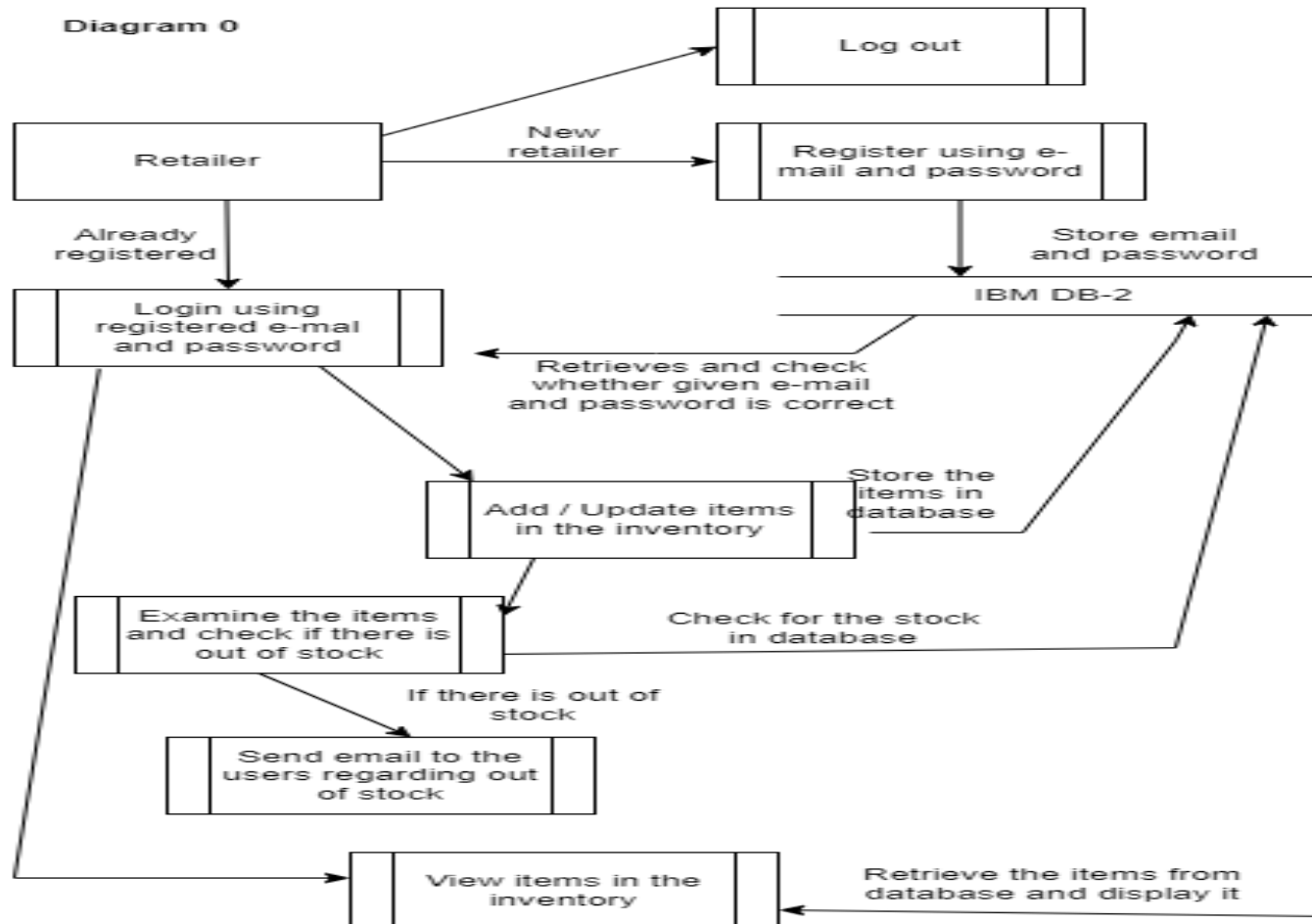| Date | 03 October 2022 |
|---|---|
| Team ID | PNT2022TMID12670 |
| Project Name | Project – Inventory Management System for Retailers |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

Data flow diagram for Inventory management system has been presented below.

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**Context Diagram**

Team ID: PNT2022TMID12670

Retailer

Registration Success

Login

Add/update items

Alert users if there is out of stock

Inventory management system

**Diagram 0**

Log out

Retailer

New retailer

Register using e-mail and password

Already registered

Store email and password

IBM DB-2

Login using registered e-mal and password

Retrieves and check whether given e-mail and password is correct

Add / Update items in the inventory

Store the items in database

Examine the items and check if there is out of stock

Check for the stock in database

If there is out of stock

Send email to the users regarding out of stock

View items in the inventory

Retrieve the items from database and display it

**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 |
| | Login | USN-2 | As a user, I can log into the application by entering email & password | I can access my account / dashboard | High | Sprint-1 |
| | Add/delete items in the inventory | USN-3 | As a user, I can add or delete items in the inventory | I can store the stock items and its details in the database | High | Sprint-2 |
| | View items | USN-4 | As a user, I can view the items in the inventory | I can view items which is stored in database | Medium | Sprint-2 |
| | Update items | USN-5 | As a user, I can update the existing items details | The database will be updated | High | Sprint-2 |
| | Alert users | USN-6 | As a user, I can alert the users if there is a out of stock or low stock | I can refill the stock details | Medium | Sprint-3 |
| | Log out | USN-7 | As a user, I can log out the web application | I will be redirected to login page again once I log out | High | Sprint-1 |