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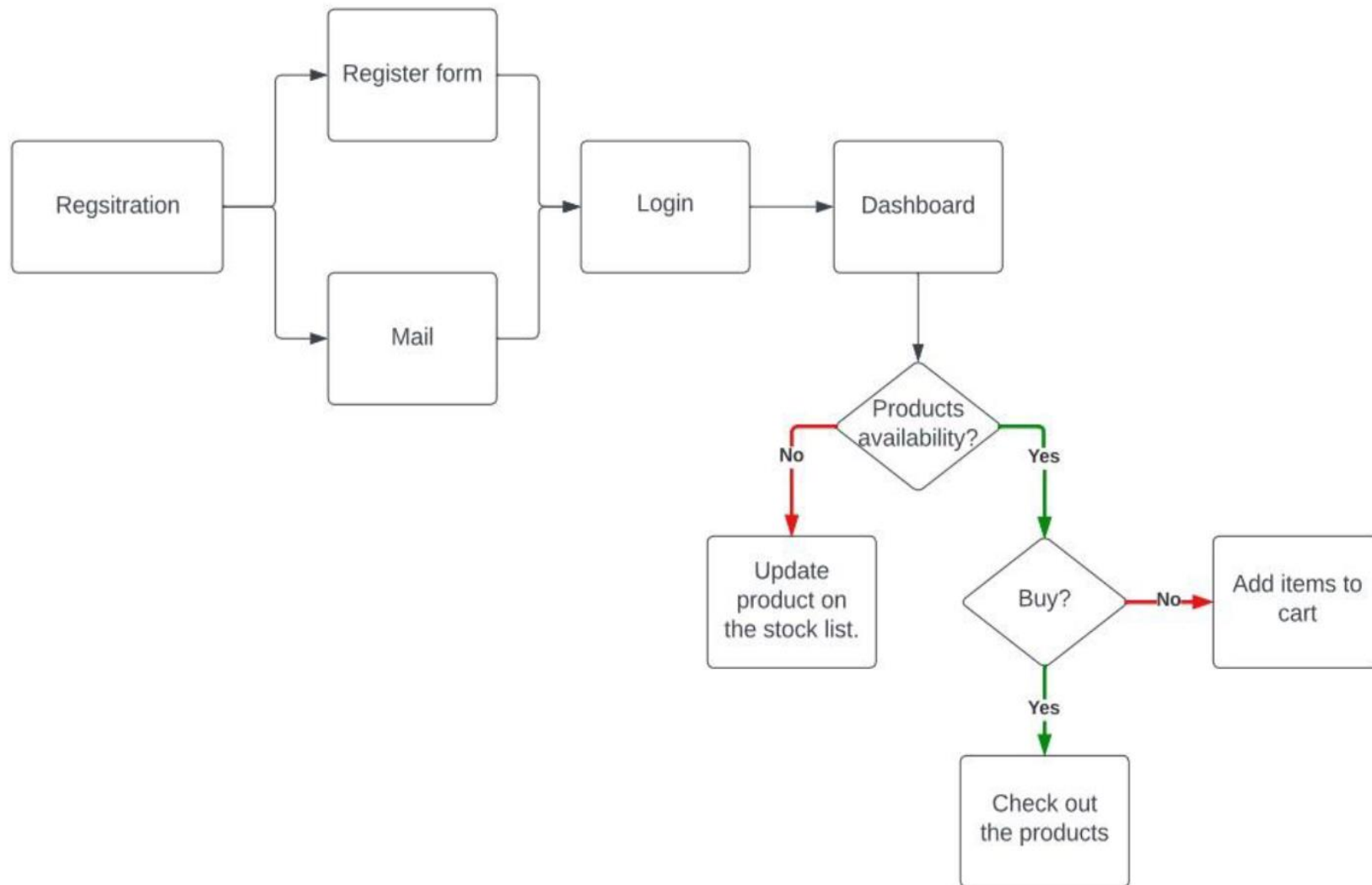**Data Flow Diagram & User Stories**

Date	03 October 2022
Team ID	PNT2022TMID08254
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.

Example: (Simplified)

```
                    ┌──────────────┐
                    │ Register form│─────────┐
                    └──────────────┘         │
                           ▲                 ▼
┌──────────────┐           │          ┌──────────┐      ┌──────────┐
│ Regsitration │───────────┤          │  Login   │─────▶│Dashboard │
└──────────────┘           │          └──────────┘      └──────────┘
                           ▼                                   │
                    ┌──────────────┐                           │
                    │     Mail     │───────────────────────────┘
                    └──────────────┘                           ▼
                                                        ◇ Products
                                                        ◇ availability?
                                              No ◀──────┘       └──────▶ Yes
                                               │                         │
                                               ▼                         ▼
                                    ┌──────────────┐              ◇ Buy? ◇───No──▶┌──────────────┐
                                    │   Update     │                              │ Add items to │
                                    │ product on   │                              │    cart      │
                                    │the stock list.│                             └──────────────┘
                                    └──────────────┘                    │
                                                                       Yes
                                                                        ▼
                                                               ┌──────────────┐
                                                               │  Check out   │
                                                               │ the products │
                                                               └──────────────┘
```

- Regsitration
- Register form
- Mail
- Login
- Dashboard
- Products availability?
  - No → Update product on the stock list.
  - Yes → Buy?
    - No → Add items to cart
    - Yes → Check out the products

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 will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Conformation	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
	Login	USN-4	As a user ,I can login into the application by entering email & password	I ca with login into the application with verified email and password	Medium	Sprint-1
	Dashboard	USN-5	As a user, I can view the products which are available	Once I log on to the application, I can view products to buy	High	Sprint-2
	Add items to cart	USN-6	As a user, I can add the products I wish to buy to the carts	As a user, I can buy any products or add it to my cart for buying it later	Medium	Sprint-2
	Stock update	USN-7	As a user, I can add the products which are not available in the dashboard to the stock list	If any of the products which are not available, as a user I can update the inventory and send mail to the owner	Medium	Sprint-3
Customer Care Executive	Request to customer care	USN-8	As a user, I can contact the customer care executive and request any services I want from the customer care	As a user, I can contact the customer care and get support from them	Low	Sprint-4
Administrator	Contact Administrator	USN-9	I can able to report any difficulties I experience as a report	As a user I can give my support in my possible ways to administrator and the administration	Medium	Sprint-4

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