Project Design Phase-II
Data Flow Diagram & User Stories

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Team ID	PNT2022TMID14903
Project Name	Inventory Management system for Retailers

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.

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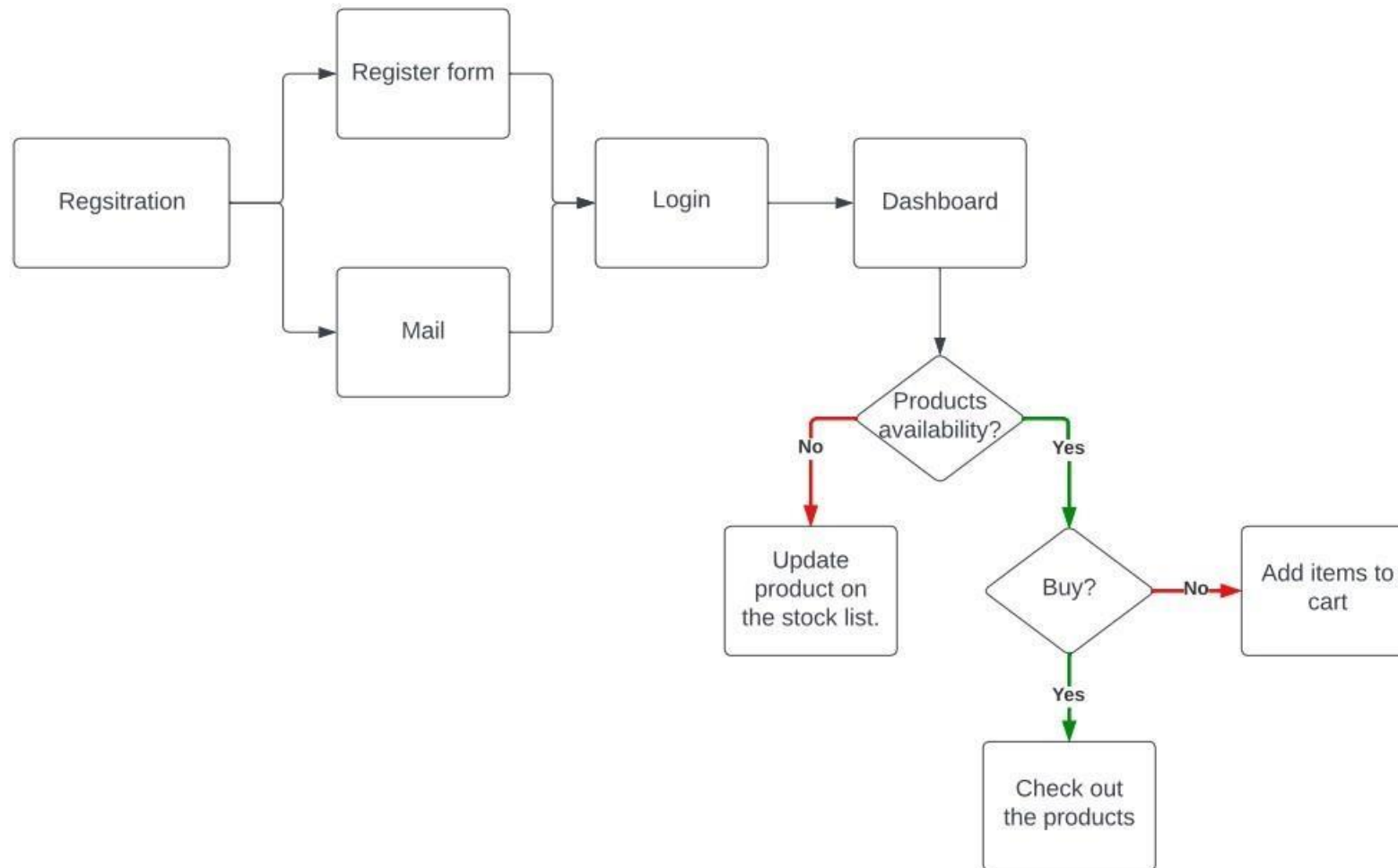
User Stories

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 can register for the application through E-mail	I can access my account / dashboard	Medium	Sprint-1
	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	I can get confirmation for my email and password and create authenticated account.	Medium	Sprint-1
	Login	USN-4	As a user, I can log into the application by entering email & password	I can log onto the application with verified email and password	High	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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	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 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 Customer Care and get support from them.	Low	Sprint-4
Administrator	Contact Administrator	USN-9	I can be able to report any difficulties I experience as a report	As user, I can give my support in my possible ways to administrator and the administration.	Medium	Sprint-4