Project Design Phase-II
Data Flow Diagram & User Stories
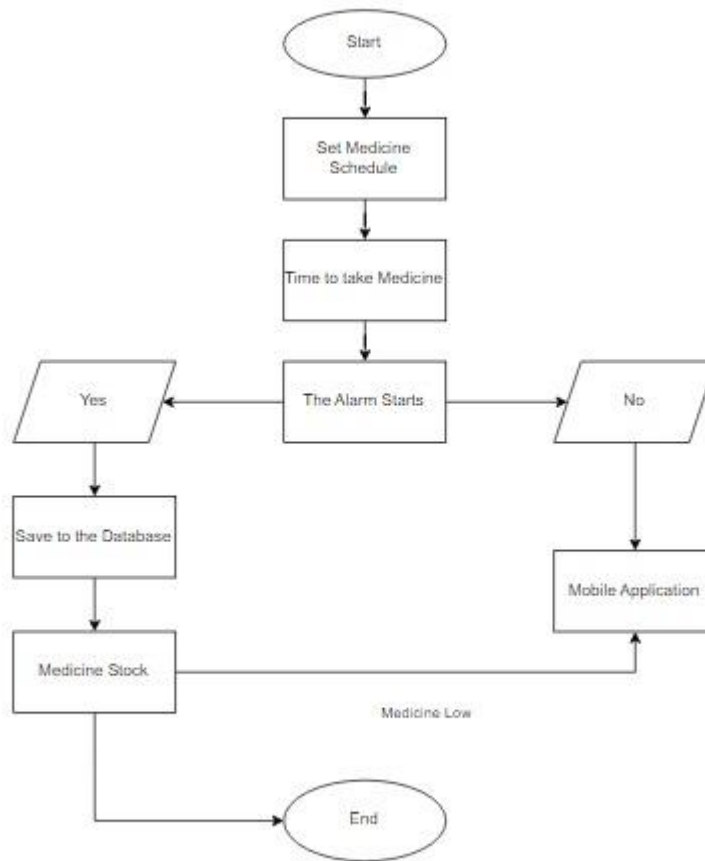
Team ID	PNT2022TMID27689
Project Name	Personal Assistance for Seniors Who Are Self-Reliant

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.

- The user should register on Medcare (web application) by using their mail ID, password and get confirmed.

- The user can set medicine name and time by medcare.

- The SMS is sent to the user to notify the intake of medicine.

- The data given as input by the user on mobile application is stored in IBM Cloudant database.

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                         ▼
                ┌─────────────────┐
                │  Set Medicine   │
                │    Schedule     │
                └────────┬────────┘
                         │
                         ▼
                ┌─────────────────┐
                │ Time to take Medicine │
                └────────┬────────┘
                         │
                         ▼
      ┌─────┐   ┌─────────────────┐   ┌─────┐
      │ Yes │◄──┤  The Alarm Starts │──►│ No  │
      └──┬──┘   └─────────────────┘   └──┬──┘
         │                                │
         ▼                                ▼
┌──────────────────┐              ┌──────────────────┐
│ Save to the Database │          │ Mobile Application │
└────────┬─────────┘              └──────────▲────────┘
         │                                   │
         ▼                                   │
┌──────────────────┐                         │
│  Medicine Stock  │─────────────────────────┘
└────────┬─────────┘
         │                      Medicine Low
         │
         ▼
    ┌─────────┐
    │   End   │
    └─────────┘
```
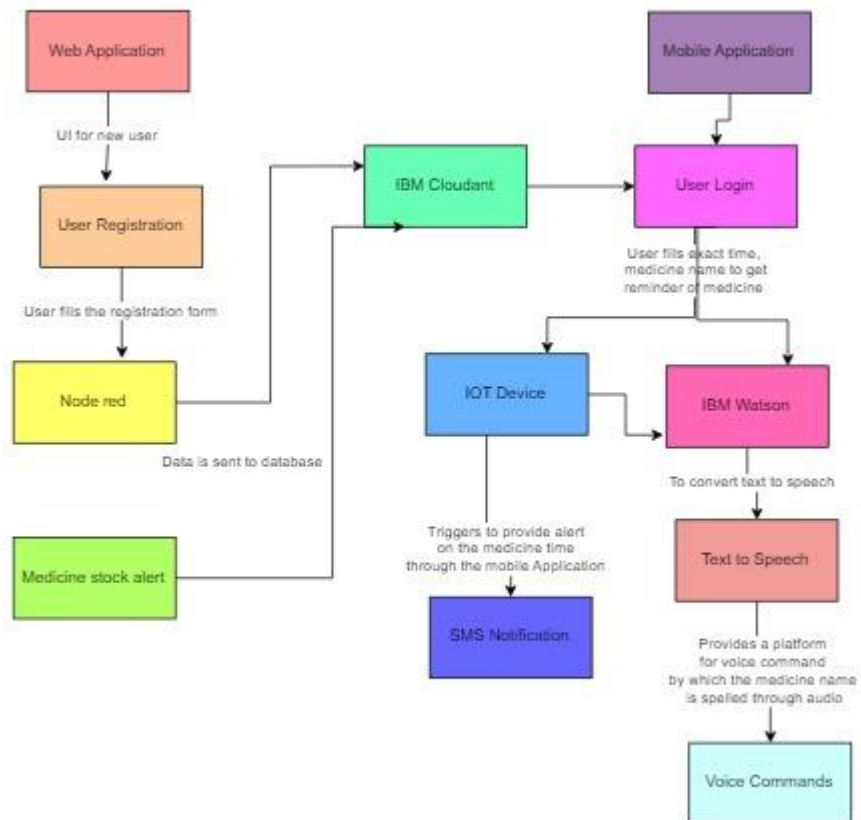
User Stories:

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User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
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	High	Sprint - 1
User	Confirmation	USN - 2	As a user I will receive confirmation mail once I have registered for the application	I can receive confirmation and click confirm	High	Sprint - 1
User (Administration)	Login	USN - 3	As a user, I can log into my application by entering email & password	I can access the app and save my medical details at any time	High	Sprint - 1
User (Senior Citizen)	Care taker	USN - 4	As a user I want to take medicines on time and monitor my health	I want to take medicines on time	High	Sprint - 1
	Smart medicine box	USN - 5	As a user, I want to take medicine on right time via SMS	I need to take medicines at exact time by SMS notification	High	Sprint - 2
	Digital medicare	USN - 6	As a user, I want to take medicine on time by voice commands	I need to take medicines on time by voice commands	Medium	Sprint - 3
	Virtual medicine kit	USN - 7	As a user, my patient medication time & name should be loaded in Database	My patients medicine details should be stored in database	High	Sprint - 3
		USN - 8	As a user I want to know the stock alert of my medicines before it gets over	I need to know the stock alert	Low	Sprint - 4
User	Notification	USN - 9	As a user I should able to notify my caretaker at emergency situation	I can able to receive the notification at right time	Medium	Sprint - 4