Project Design Phase-II
Data Flow Diagram & User Stories

Team ID	PNT2022TMID46618
Project Name	Personal Assistance for Seniors who are self-reliant
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Data Flow Diagram:

1. The user should register on MedCare(web application) by using their mail ID, password and get verified.

2. User can set medicine name and time by MedCare (mobile application).

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

4. The IOT device is made to remind the medicine name at correct time by voice commands through IBM Watson platform.

5. The SMS is sent to the user to notify the intake of medicine which is initiated by mobile application.

```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │Initialisation│
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │ Set time and │
                    │medicine name │
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │  Press SET  │
                    │   button    │
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │ Set up box  │◄──────────┐
                    │ information │           │
                    └─────────────┘           │
                           │                  │
                           ▼                  │
                        ◇◇◇◇◇         Not Match
                     ◇◇◇◇◇◇◇◇◇           │
                  ◇ Compare the ◇──────────┘
                     ◇ information ◇
                        ◇◇◇◇◇
                           │
                           ▼ Match
                    ┌─────────────┐
                    │    Audio    │◄──────────┐
                    │  commands   │           │
                    └─────────────┘           │
                           │            Pills not
                           ▼              taken
                    ┌─────────────┐           │
                    │Alert by giving│──────────┘
                    │     SMS     │
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
                    │     End     │
                    └─────────────┘
```
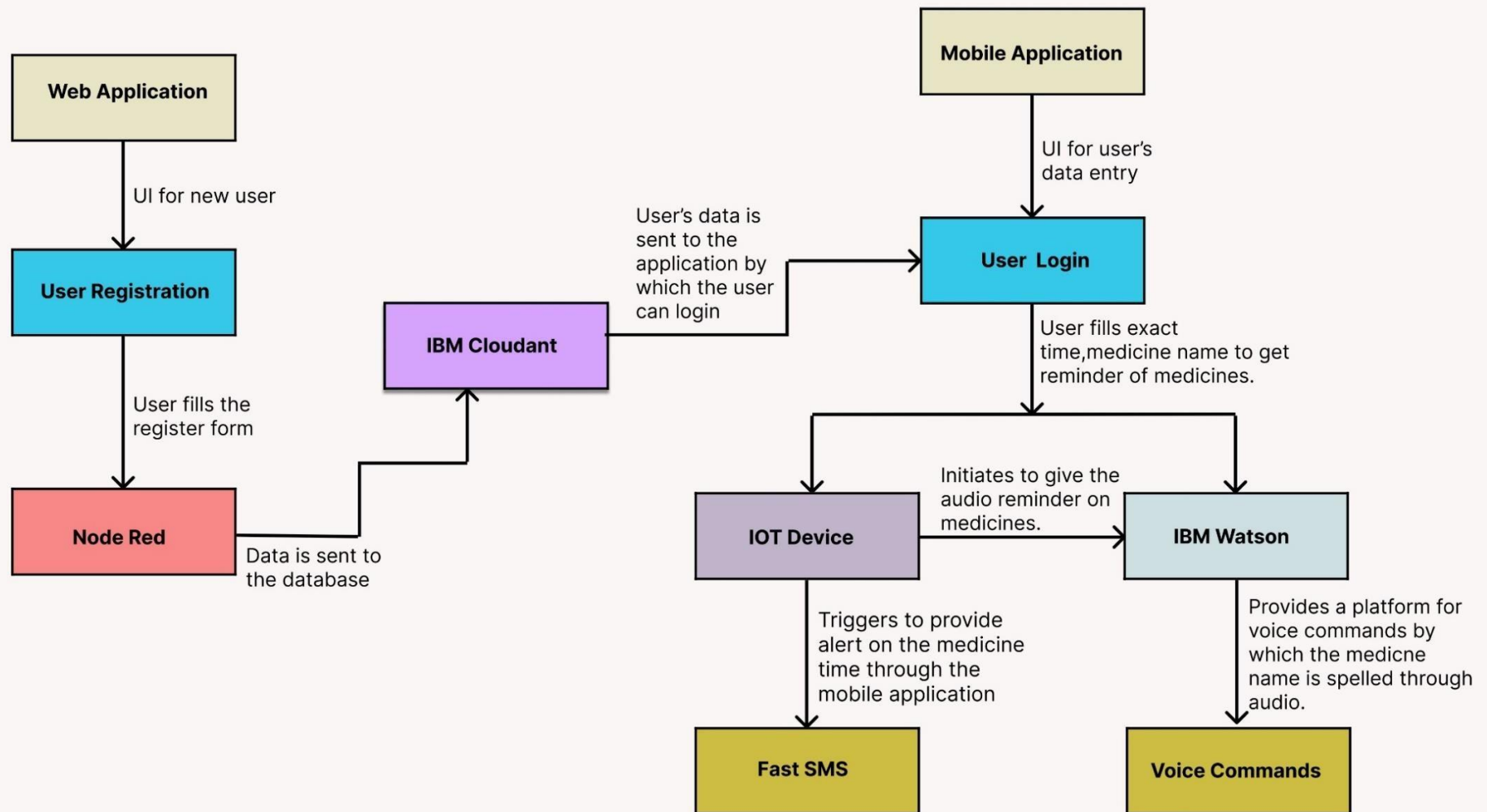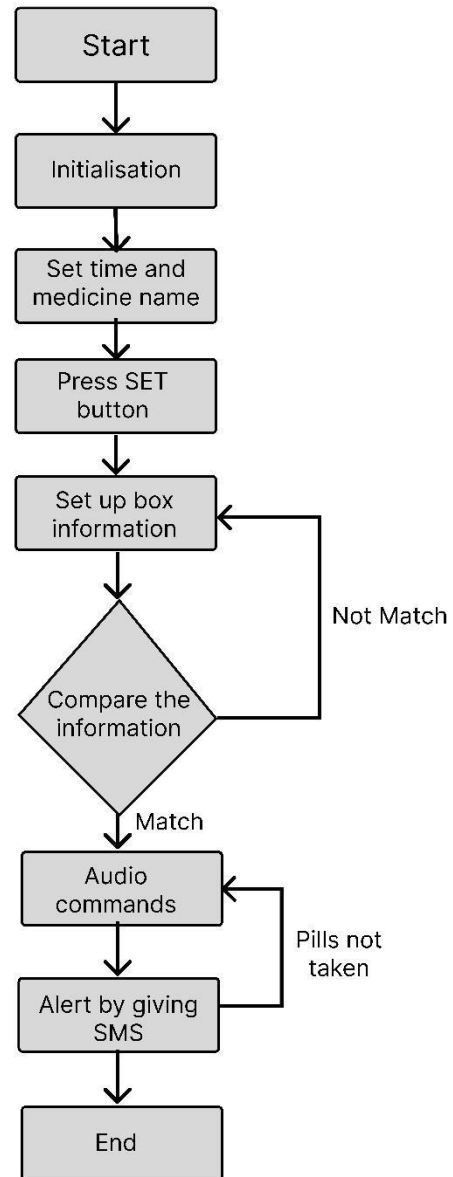
User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Senior citizen)	Caretaker	USN-1	As a user, I want to take medicines on time so that I can my health.	I want to take medicine on time.	High	Sprint-1
Customer (Mentally idled patient)	Janitor	USN-2	As a user, my patient should maintain good health by consuming medicines on time.	My patient needs to take medicines at proper time.	High	Sprint-2
Customer (Disabled person)	Smart medicine box	USN-3	As a user, I need to take my medicines at correct time through nearby person via SMS.	I need to take medicines at accurate time by notification.	Medium	Sprint-4
Customer (Coma patient)	Virtual medikit	USN-4	As a user, my patient medication time and name should be loaded in database.	My patient's medicine name and time should be in database list.	High	Sprint-2
Customer (Alzheimer patient)	Digital medicare	USN-5	As a user, I want to take medicines on time by voice commands.	I want to take medicines on time by voice assist. .	Medium	Sprint-3