ProjectDesign Phase-II
DataFlowDiagram&UserStories

Date	03 OCTOBER 2022
TeamID	PNT2022TMID44966
ProjectName	PersonalAssistanceforSeniorsWhoAreSelf-Reliant
MaximumMarks	4Marks

```
                    ┌──────────────┐
                    │    Start     │
                    └──────┬───────┘
                           │
                           ▼
                    ┌──────────────┐
                    │ Initialization│
                    └──────┬───────┘
                           │
                           ▼
                    ┌──────────────┐
                    │ RTC Time & Date│
                    │     set      │
                    └──────┬───────┘
                           │
                           ▼
                    ┌──────────────┐
                    │ Push Button Press│
                    └──────┬───────┘
                           │
                           ▼
                    ┌──────────────┐
                    │  Set up box  │◄─────────┐
                    │ information  │          │
                    └──────┬───────┘          │
                           │                  │
                           ▼              Not match
                       ╱───────╲              │
                      ╱ Compare  ╲            │
                     ╱    Box     ╲───────────┘
                     ╲ Information ╱
                      ╲           ╱
                       ╲─────────╱
                           │
                         Match
                           │
                           ▼
                    ┌──────────────┐
                    │  LED Blink & │◄─────────┐
                    │  Buzzer Ring │          │
                    └──────┬───────┘          │
                           │              Pills Not Taken
                           ▼                  │
                    ┌──────────────┐          │
                    │  Box Open -  │          │
                    │ Buzzer & LED-├──────────┘
                    │     OFF      │
                    └──────┬───────┘
                           │
                     Pills Taken
                           │
                           ▼
                    ┌──────────────┐
                    │     END      │
                    └──────────────┘
```
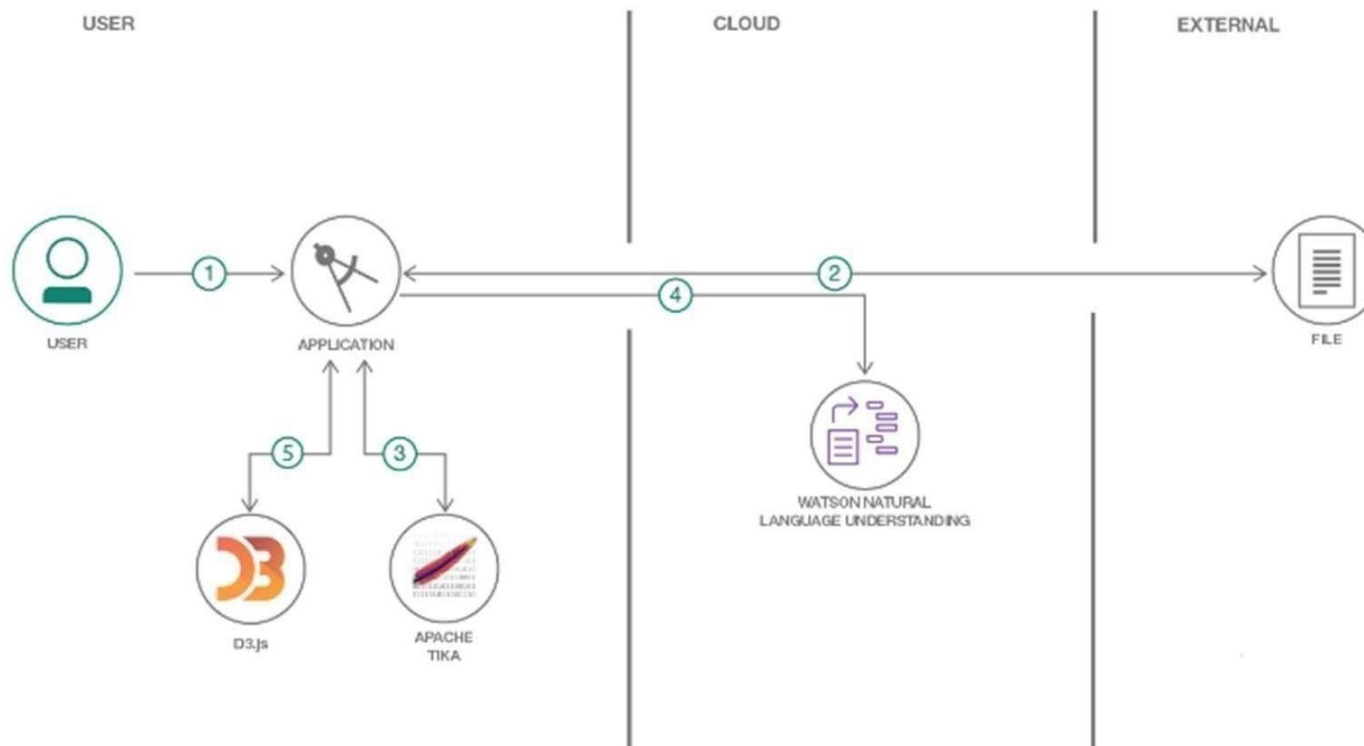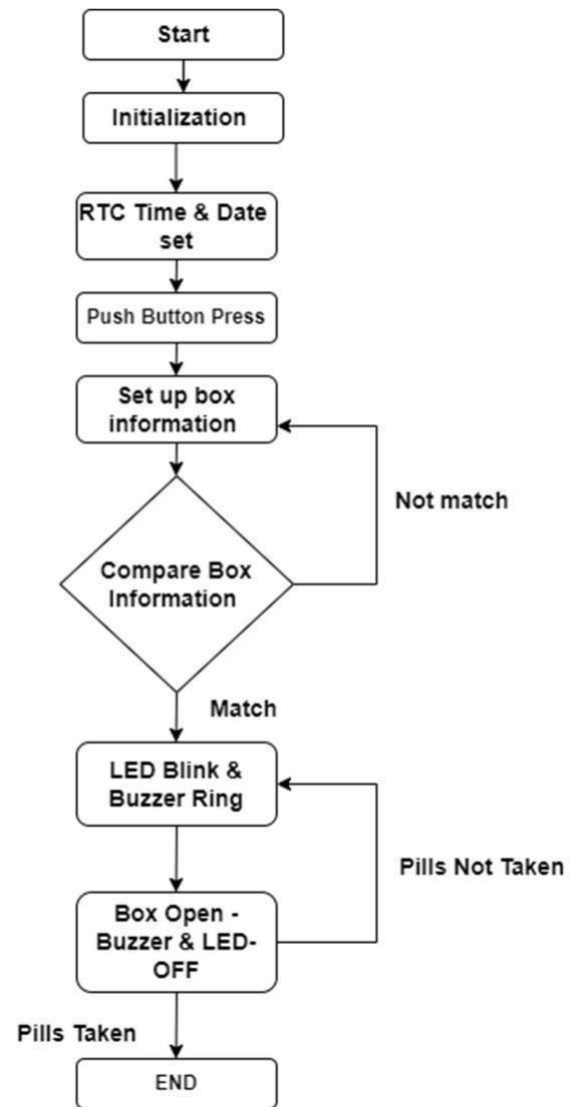
UserStories

UserType	Functional Requirement(Epic)	UserStoryNumber	UserStory/Task	Acceptancecriteria	Priority	Release
Customer (Senior citizen)	Caretaker	USN-1	Asauser,IwanttotakeMedicinesontimeandmonitormyhealth	IwanttoTake Medicines Ontime	High	Sprint-1
Customer (Alzheimerpatient)	Smartmedicinebox	USN-2	Asauser,Iwanttotakemytabletsontimeby voice command	I want to take mytabletsontime by voice command	High	Sprint-1
Customer (Mentally idled patient)	Caretaker	USN-3	As a user, my patient needs to takemedicinesontimeandmonitoringtheactivity	My patient needsto take medicinesontime	Medium	Sprint-2
Customer(Coma patient)	Caretaker	USN-4	As a user, my patient medicationtimeandprescriptionshouldloadindatabaseforupcomingweek	My patient medicationtimeandprescriptionshould be in databaselist	Low	Sprint-4
Customer(Disabled people's)	Smartmedicinebox	USN-5	As a user, I need to take my medicineinnearbyplaceswithlightnotification	I need to take mymedicineinnearbyplaceswith lightnotification	Medium	Sprint-3