

TEAM ID	PNT2022TMID47381
PROJECT NAME	Personal Assistance for Seniors Who Are Self-Reliant

Sprint 1

The AIM of Sprint 1 is SIMULATION CREATION.

Duration : 6 days

In this Sprint 1 we have found solution to the elderly people who are self reliant .So the we had decided that we should find the solution of different Ideas from our teammates

- 1) A Medicine Remainder for elderly person that are elderly person in home and Hospital and keep them check in Medicine that are forgotten by Caretaker and Person around them.
- 2) A Stock Remainder of Medicine for Elderly Person and keep the medicine in check every time if the medicine prolonged for another week and have the refilled alarm for the medicine that need to taken.

A Scan of medicine to zoom and see the medicine those are taken by the elderly person and keep in check of medication of elderly person. If needed the medication can be upload the App.

By considering all the ideas that are given teammate .We conclude that are of decision made by teammate is make a combine idea of Medicine Remainder App that feature of scanning of medicine , medicine remainder at correct timing, Stock remainder.

What we should complete in sprint 1?The Issue collected from user

USN 1: As a user, I want to take Medicines on time and monitor my health

USN 2: As a user, I want to take my tablets on time by voice command

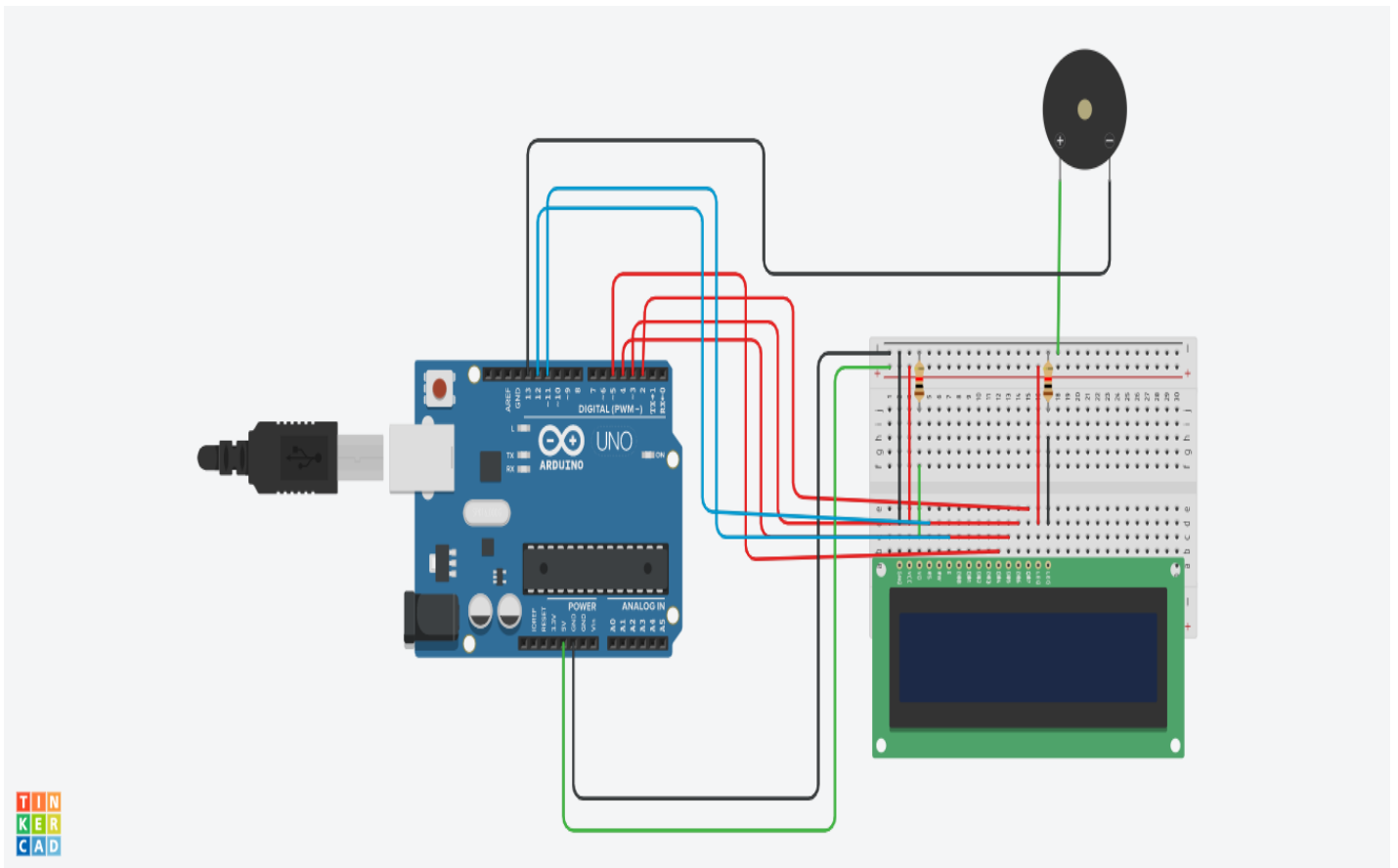
USN 3: As a user, I need to take my medicine and I am not able see the dosage of medicine properly.

USN 4: As a user, Sometimes my medicine aren't in stock and I usually forget the Stock of my medication.

REQUIRED MATERIALS:

1. 16x2 LCD Display
2. Buzzer
3. Breadboard
4. 1K Resistors
5. Jumper Wire
6. Arduino Uno

SIMULATION



SIMULATION LINK: <https://www.tinkercad.com/things/1FgdjtvIuoX-super-densor-tumelo/editel?tenant=circuits>

Code:

```
#include <LiquidCrystal.h>

#define D4 5
#define D5 4
#define D6 3
#define D7 2
#define E 11
#define RS 12

int buzz= 13;

LiquidCrystal LCD(12, 11, 5, 4, 3, 2);

void setup()
{
  pinMode(buzz, OUTPUT);
  // set up the LCD's number of columns and rows:
  LCD.begin(16, 2);
}

void loop()
{
  LCD.setCursor(4, 0);
  LCD.print("Time for");
  LCD.setCursor(2, 1);
  LCD.print("1st Medicine");
  digitalWrite(buzz, HIGH);
  delay(2000);
  digitalWrite(buzz, LOW);
  LCD.clear();
  delay(5000);
  LCD.setCursor(4, 0);
  LCD.print("Time for");
  LCD.setCursor(2, 1);
  LCD.print("2nd Medicine");
  digitalWrite(buzz, HIGH);
  delay(2000);
  digitalWrite(buzz, LOW);
  LCD.clear();
  delay(5000);
  LCD.setCursor(4, 0);
```

```
LCD.print("Time for");
LCD.setCursor(2, 1);
LCD.print("3rd Medicine");
digitalWrite(buzz, HIGH);
delay(2000);
digitalWrite(buzz, LOW);
LCD.clear();
delay(5000);
LCD.setCursor(4, 0);
LCD.print("Time for");
LCD.setCursor(2, 1);
LCD.print("4th Medicine");
digitalWrite(buzz, HIGH);
delay(2000);
digitalWrite(buzz, LOW);
LCD.clear();
LCD.setCursor(4, 0);
LCD.print("Time for");
LCD.setCursor(2, 1);
LCD.print("5th Medicine");
digitalWrite(buzz, HIGH);
delay(2000);
digitalWrite(buzz, LOW);
LCD.clear();
delay(5000);
LCD.setCursor(4, 0);
LCD.print("Time for");
LCD.setCursor(2, 1);
LCD.print("6th Medicine");
digitalWrite(buzz, HIGH);
delay(2000);
digitalWrite(buzz, LOW);
LCD.clear();
delay(5000);
delay(8000);
}
```

CONCLUSION:

The **conclusion** of Sprint 1 we have analysed all the problems that are faced by the elderly people and created the dry code simulation that are given by ideas by our teammates.