PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT - DELIVERY OF SPRINT-1

Team ID	PNT2022TMID47589
Project Name	Personal Assistance for Seniors who are Self-Reliant

DELIVERY OF SPRINT – 1:

Here is the Code for sensing the elder one (patient) whether they have consume the medicine or not through the distance measuring sensor and buzzer. The distance measuring sensor measures the distance of the box when the patient opens the pill reminder box and identify whether the patient has taken the pills or not...
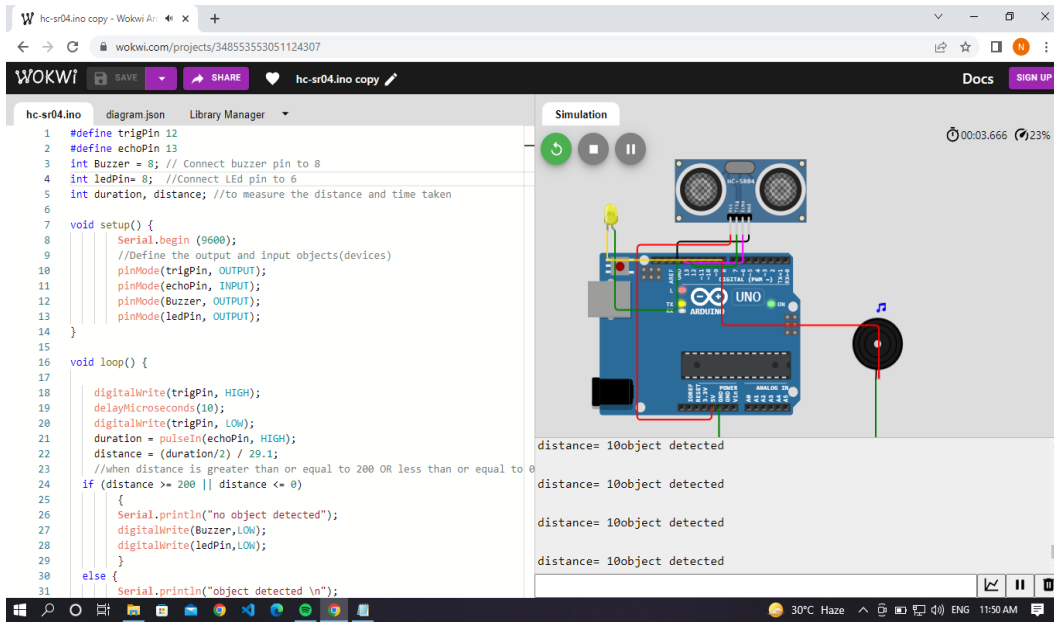
CODE:

```
#define trigPin 12

#define echoPin 13

int Buzzer = 8; // Connect buzzer pin to 8

int ledPin= 6;  //Connect LED pin to 6

int duration, distance; //to measure the distance and time taken

void setup() {

    Serial.begin (9600);

    //Define the output and input objects(devices)

    pinMode(trigPin, OUTPUT);

    pinMode(echoPin, INPUT);

    pinMode(Buzzer, OUTPUT);

    pinMode(ledPin, OUTPUT);

}

void loop() {

   digitalWrite(trigPin, HIGH);
```

```
    delayMicroseconds(10);

    digitalWrite(trigPin, LOW);

    duration = pulseIn(echoPin, HIGH);

    distance = (duration/2) / 29.1;

    //when distance is greater than or equal to 200 OR less than or equal to 0,the
buzzer and LED are off

  if (distance >= 200 || distance <= 0)

      {

      Serial.println("no object detected");

      digitalWrite(Buzzer,LOW);

      digitalWrite(ledPin,LOW);

      }

  else {

      Serial.println("object detected \n");

      Serial.print("distance= ");

      Serial.print(distance);        //prints the distance if it is between the range 0 to 200

      tone(Buzzer,400);          // play tone of 400Hz for 500 ms

      digitalWrite(ledPin,HIGH);

  }

}
```
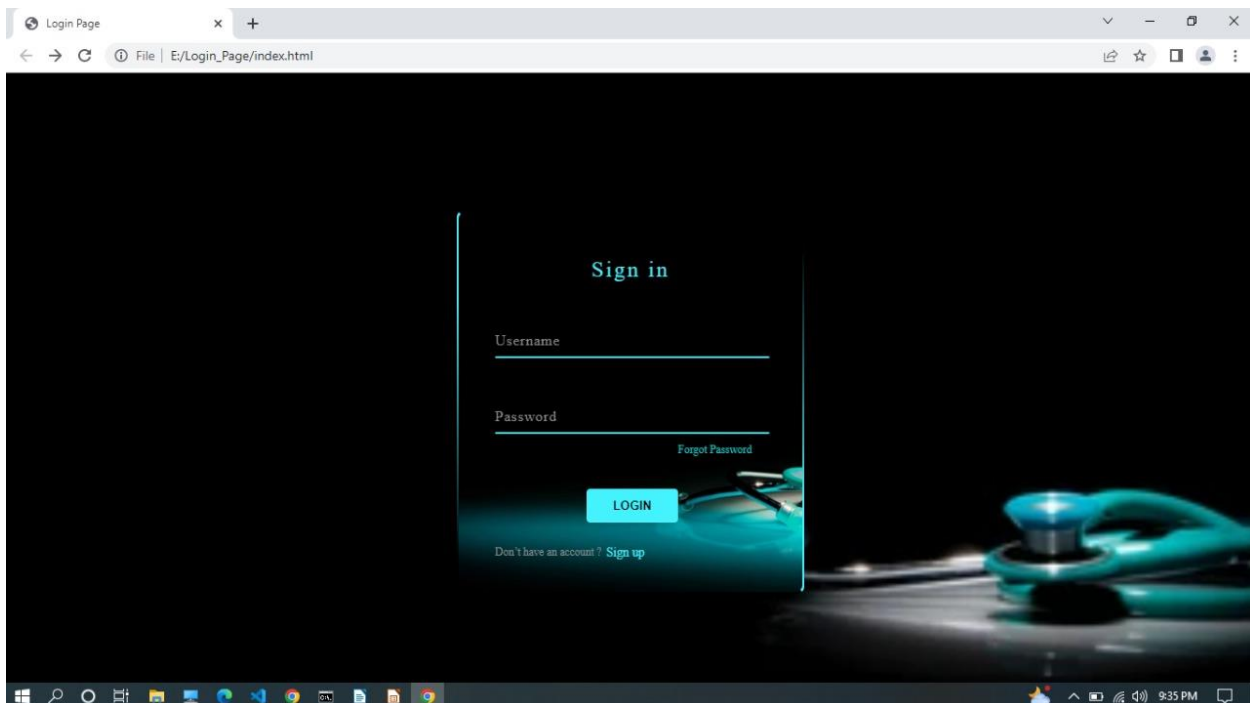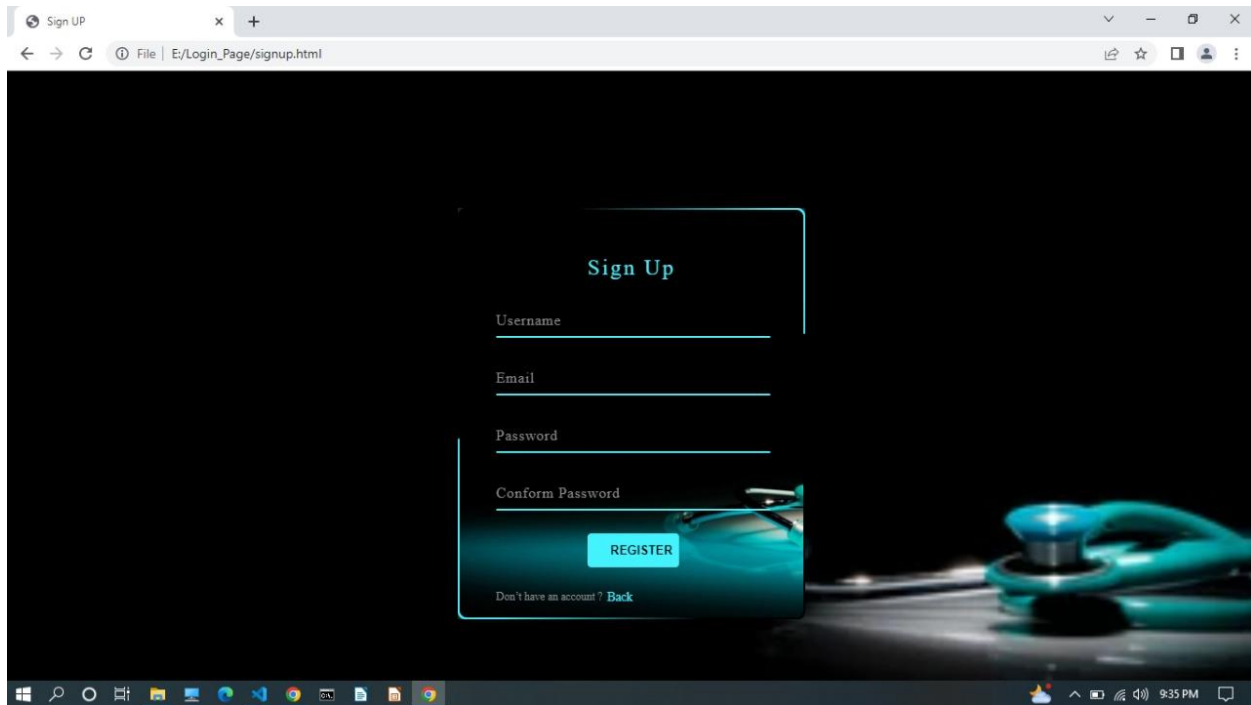
OUTPUT:

LOGIN PAGE:

Our Team has developed the login page,register,forgot password through HTML, CSS with XAMPP database.

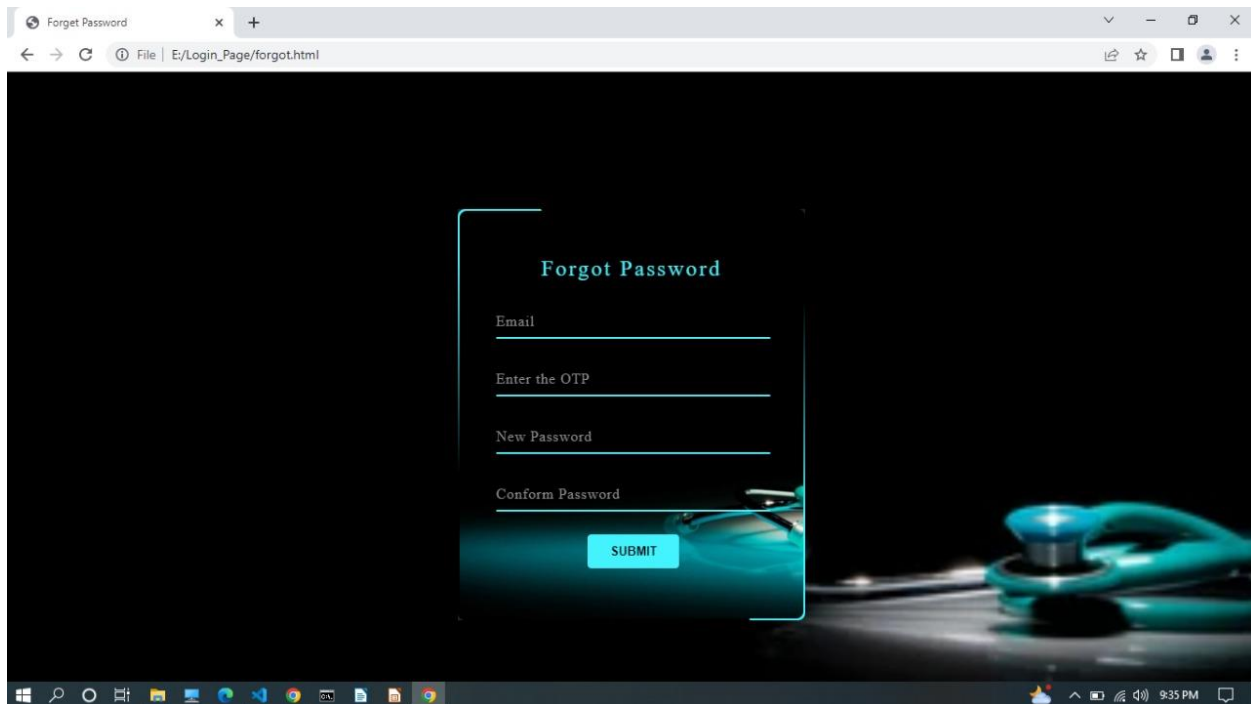## a)Sign in (or) login page:

b) Sign Up (or) Register Page:

c)Forgot Password Page: