CS 578 - Project Code - SafeT Alarm

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2. Code

```
#include <WiFi.h>
#include "twilio.hpp"

const int buttonPin = 15;
const int alarmPin = 17;
bool buttonState;

// Wifi/internet info
const char* ssid = "HEHEPC-SC";
const char* password = "?3r277K6";

static const char* account_sid = "ACd996bc93cc9df497bf85805f701af89c";
static const char* auth_token = "a3bcc47ce2e2b6c3e54e1508c613a8e6";
static const char* from_number = "+18556741598";
static const char* to_number1 = "+15107378159";
static const char* to_number2 = "+16199184132";
static const char* message = "Stephanie Chen has activated her SafeT Device!";

Twilio *twilio;

void setup() {
  // put your setup code here, to run once:
  Serial.begin(9600);
```

```arduino
  pinMode(buttonPin, INPUT);
  pinMode(alarmPin, OUTPUT);

  WiFi.mode(WIFI_STA); // optional
  WiFi.begin(ssid, password);
  Serial.println("\nConnecting");

  while(WiFi.status() != WL_CONNECTED){
    Serial.print(".");
    delay(100);
  }

  Serial.println("\nConnected to the WiFi network");
  Serial.print("Local ESP32 IP: ");
  Serial.println(WiFi.localIP());
}

void loop() {
  // put your main code here, to run repeatedly:
  if (digitalRead(buttonPin) == LOW)
  {
    tone(alarmPin, 1000, 20000);
    delay(20000);

    twilio = new Twilio(account_sid, auth_token);

    delay(1000);
    String response;
```

```cpp
  bool success1 = twilio->send_message(to_number1, from_number, message, response);
  bool success2 = twilio->send_message(to_number2, from_number, message, response);


  if (success1) {
    Serial.println("Sent message successfully!");
  }
  else {
    Serial.println(response);
  }


  if (success2) {
    Serial.println("Sent message successfully!");
  }
  else {
    Serial.println(response);
  }
 }
}
```