190q-7c2-time-NTP-xcode-hl-2024-7-19.odp

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CTI One Corporation is located in the
Silicon Valley in Santa Clara, California.
We design, develop and manufacture AI
enabled smart rollators/walkers and
exoskeleton devices for mobility
solutions.

CTI One Corporation
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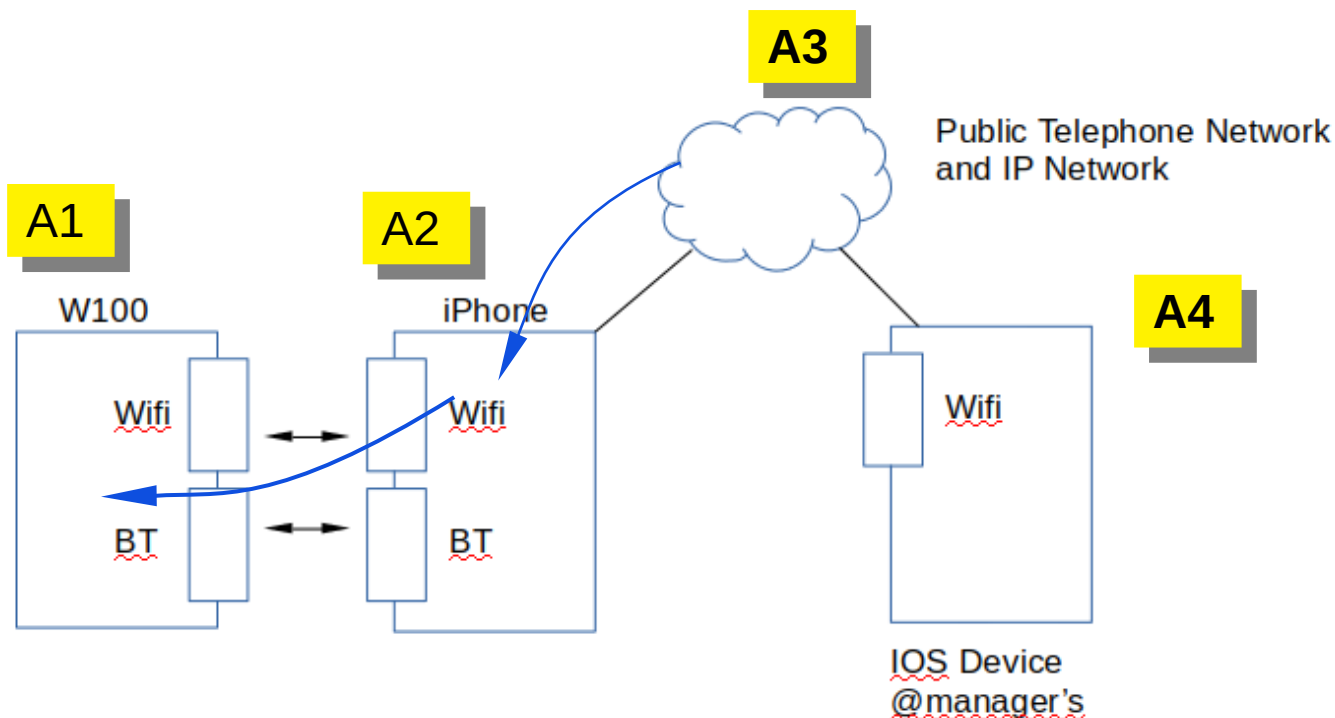Harry Li, Ph.D.

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Getting Time from Apple's NTP (Network Time Protocol) Server (7/12,2024)

Step 1. Write Xcode APP to get time from A2 iPhone

Step 2.User at A2 download CTI One's APP which has the time function, then the time is sent from A2 to A1 to be utilized to set the clock on A1.

A3

A1

A2

A4

Public Telephone Network and IP Network

W100

iPhone

Wifi

Wifi

Wifi

BT

BT

IOS Device @manager's

Getting Time with Xcode Sample (7/12,2024)

Xcode sample
https://programmerworld.co/ios/how-to-get-current-date-and-time-in-your-ios-app-xcode-tutorial/

```
//
//  ViewController.swift
//  Get Current Date Time
//
//  Created by HomePC on 14/09/20.
//  Copyright © 2020 HomePC. All rights reserved.
//

import UIKit

class ViewController: UIViewController {

    @IBOutlet weak var uiLabel: UILabel!

    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view, typically from a nib.
    }
```

```
    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
    }

    @IBAction func getDateAndTime(Sender: UIButton){
        let dateFormatter = DateFormatter();
        dateFormatter.dateFormat = "yyyy-MM-dd hh:mm::ss'

        let date = dateFormatter.string(from: Date())

        self.uiLabel.text = date
    }
}
```