

# Learn watchOS Programming!

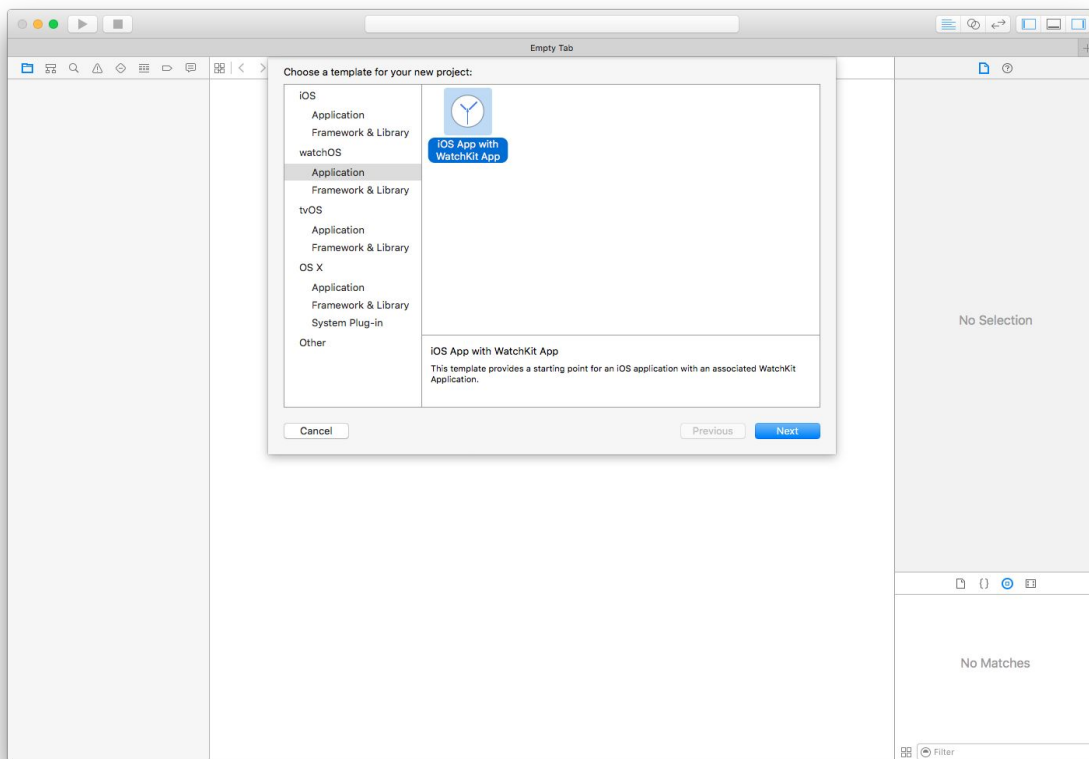


# Communication Channel

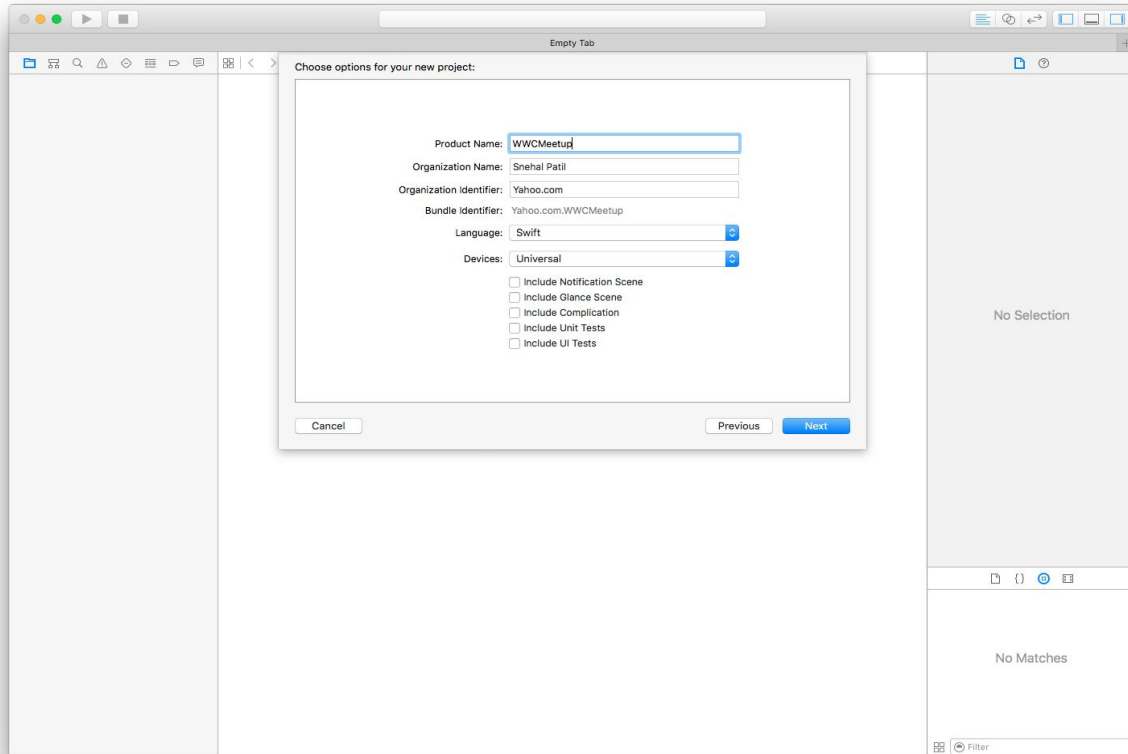
Google Document for live chat - <http://tiny.cc/watchOSTechTalk>

Github link for the project - <https://github.com/patilsnehal/watchOSTableview>

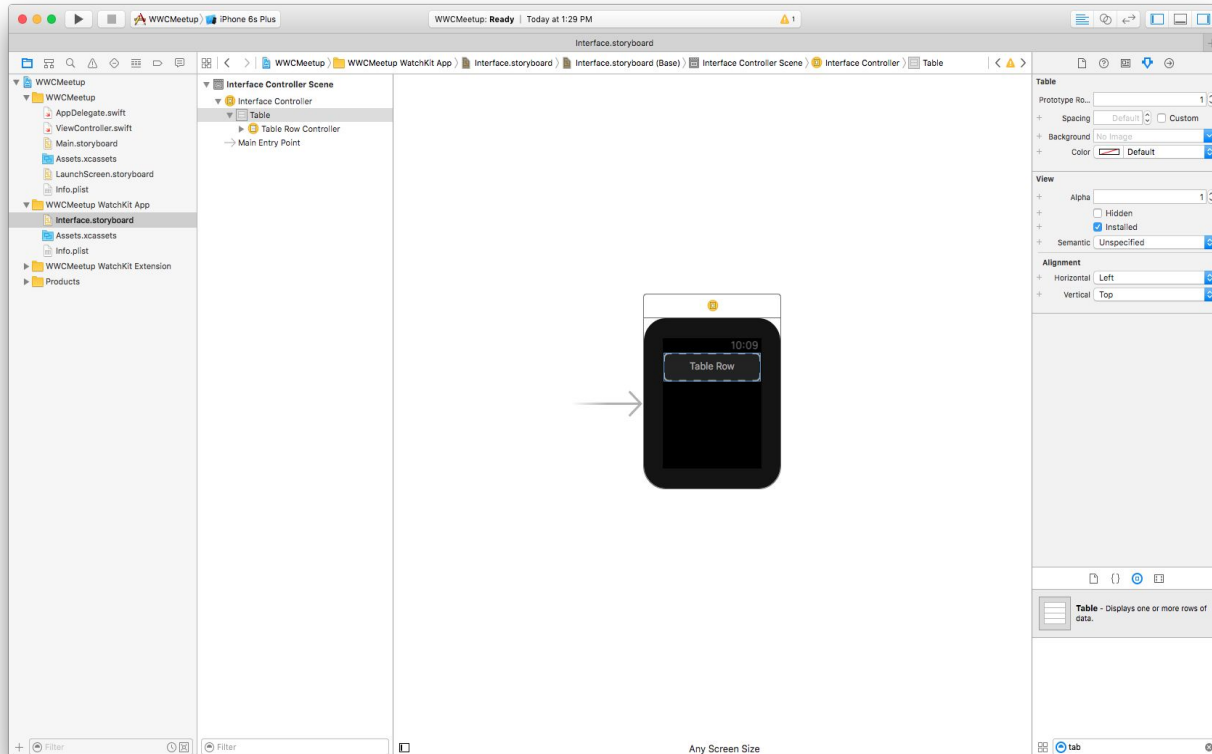
# Create watchOS Application with tableview



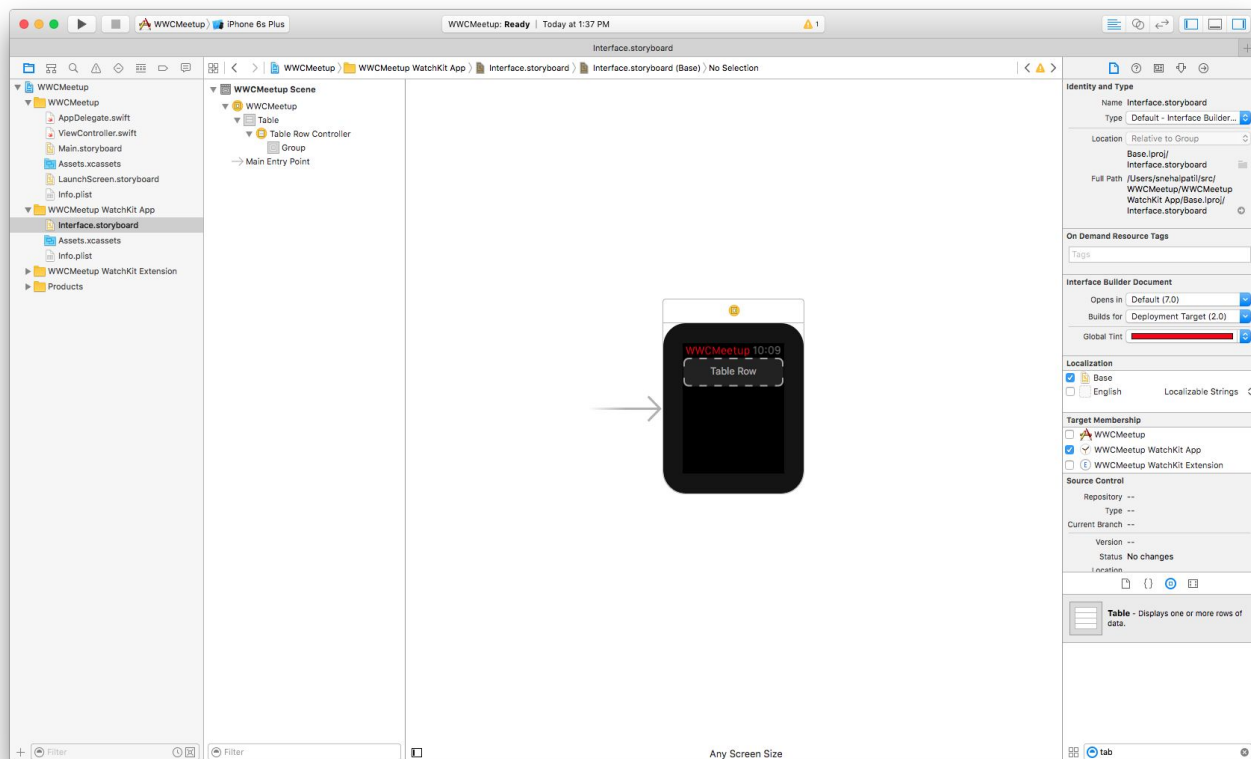
# Create Project



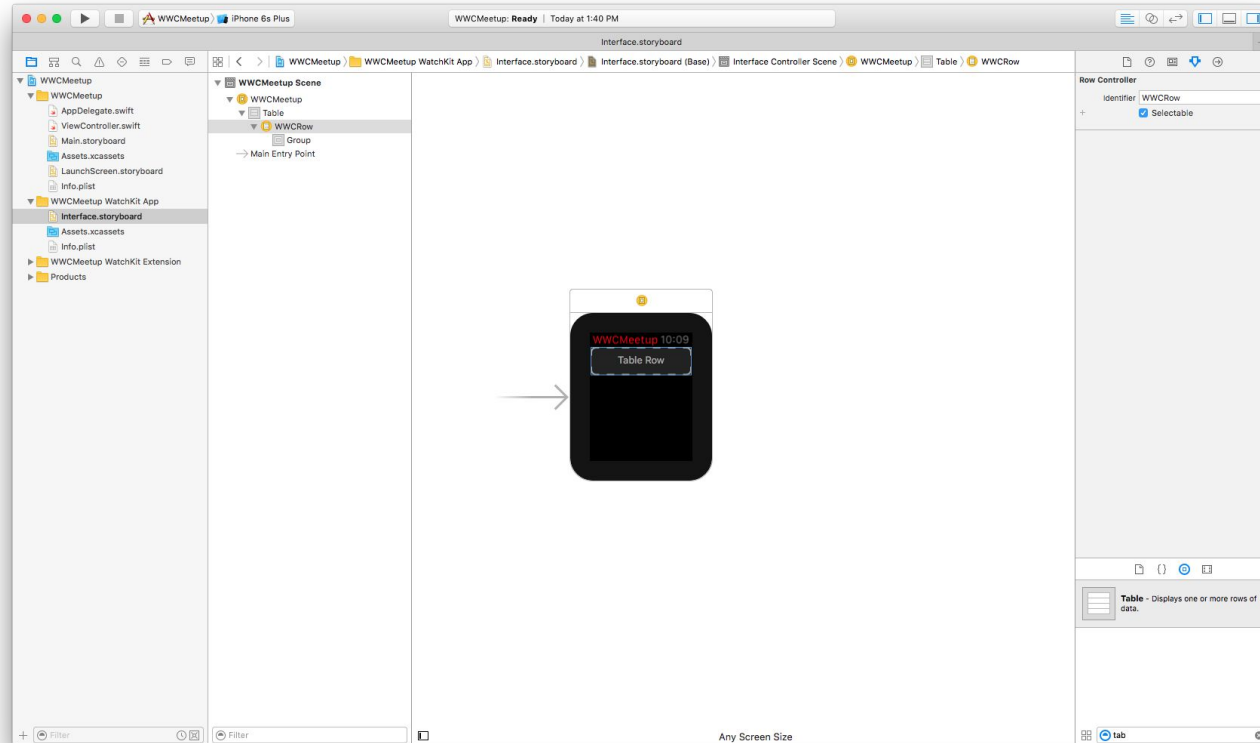
# Add tableview



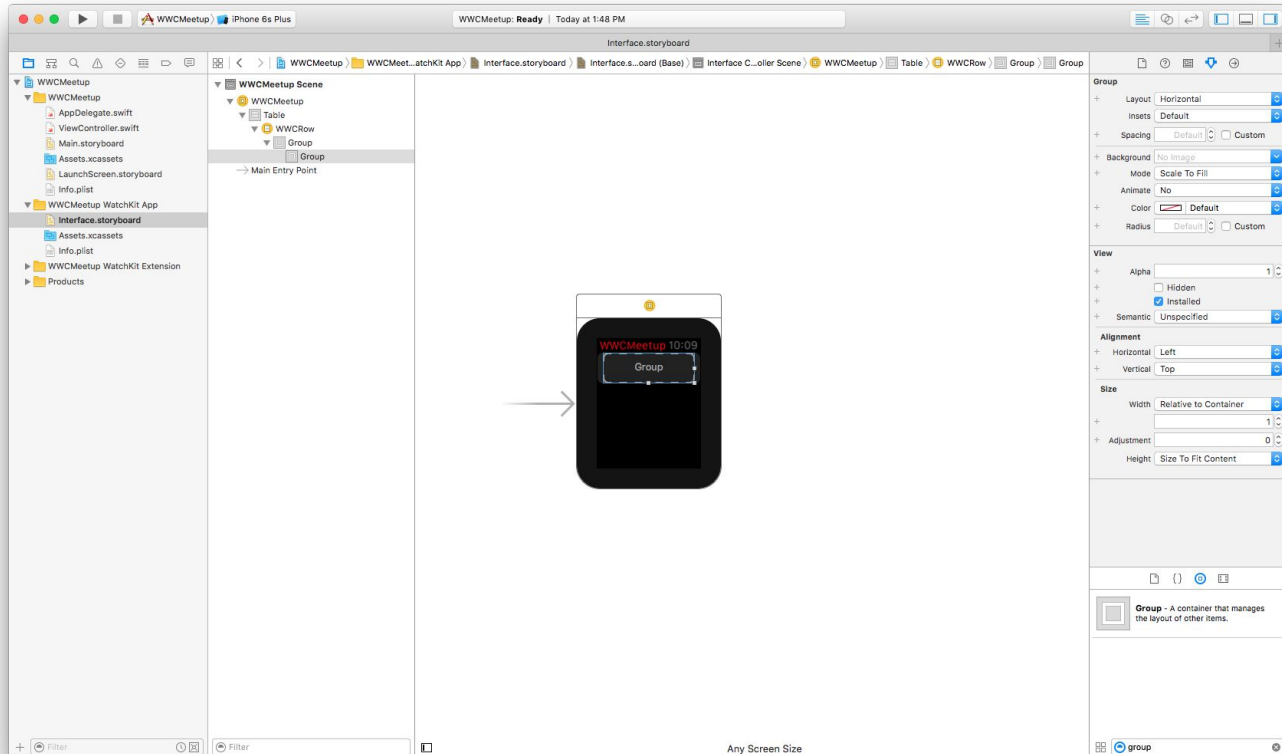
# Change the color of the global tint



# Change Identifier

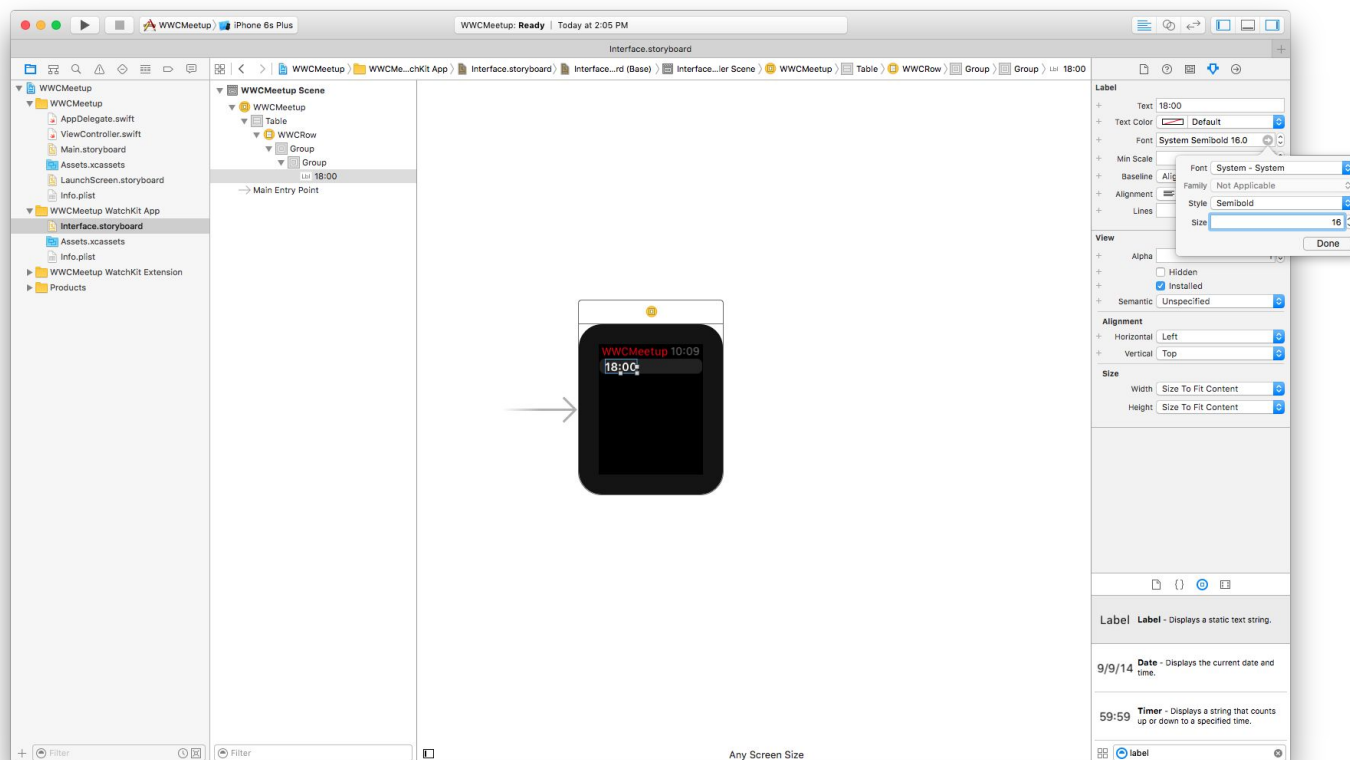


# Add Group and then labels to it

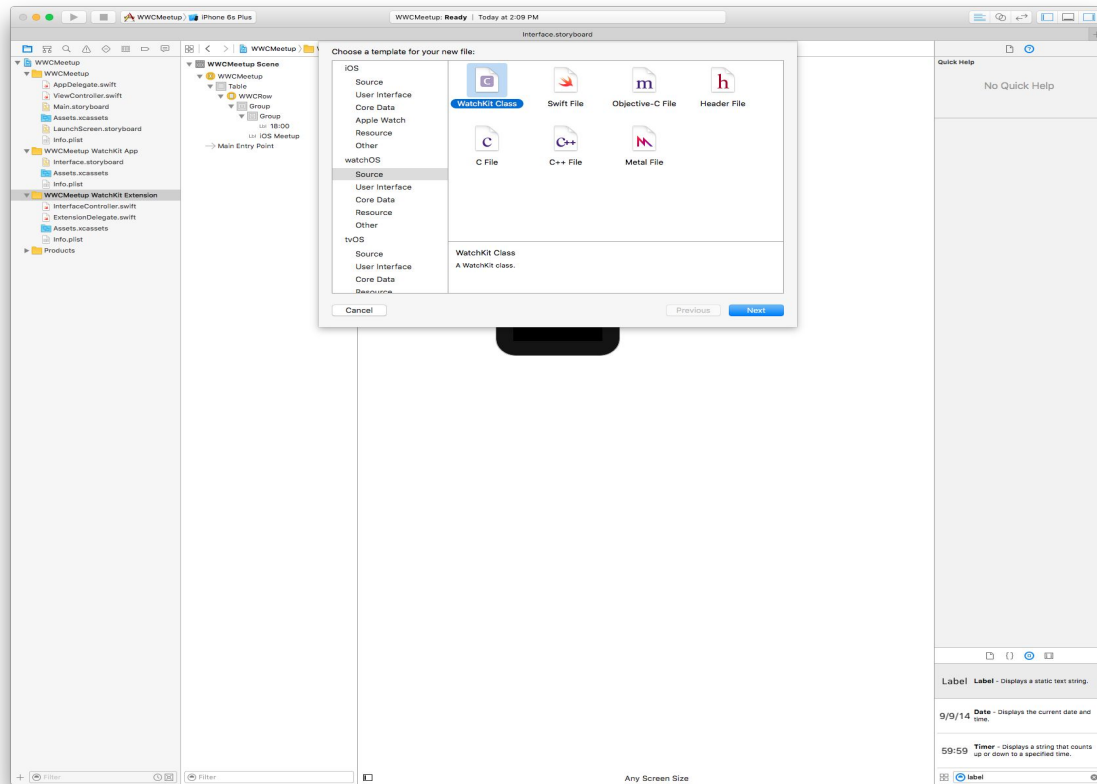




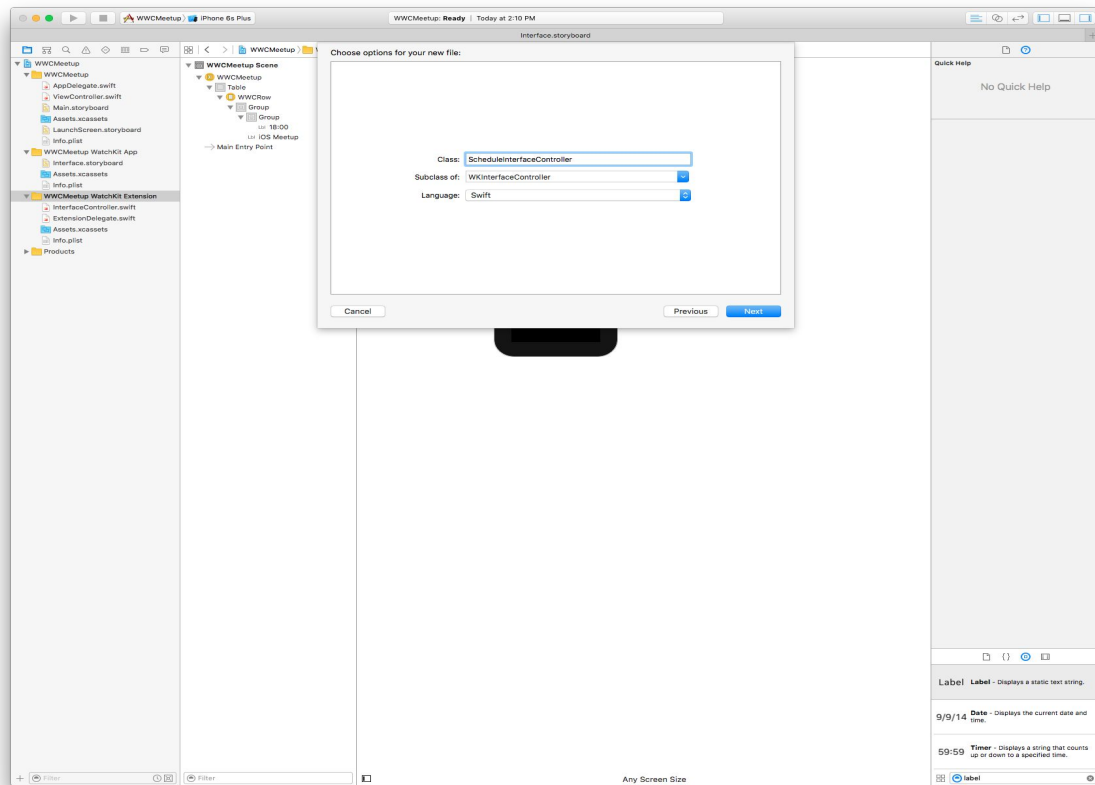
# Change font, alignment etc



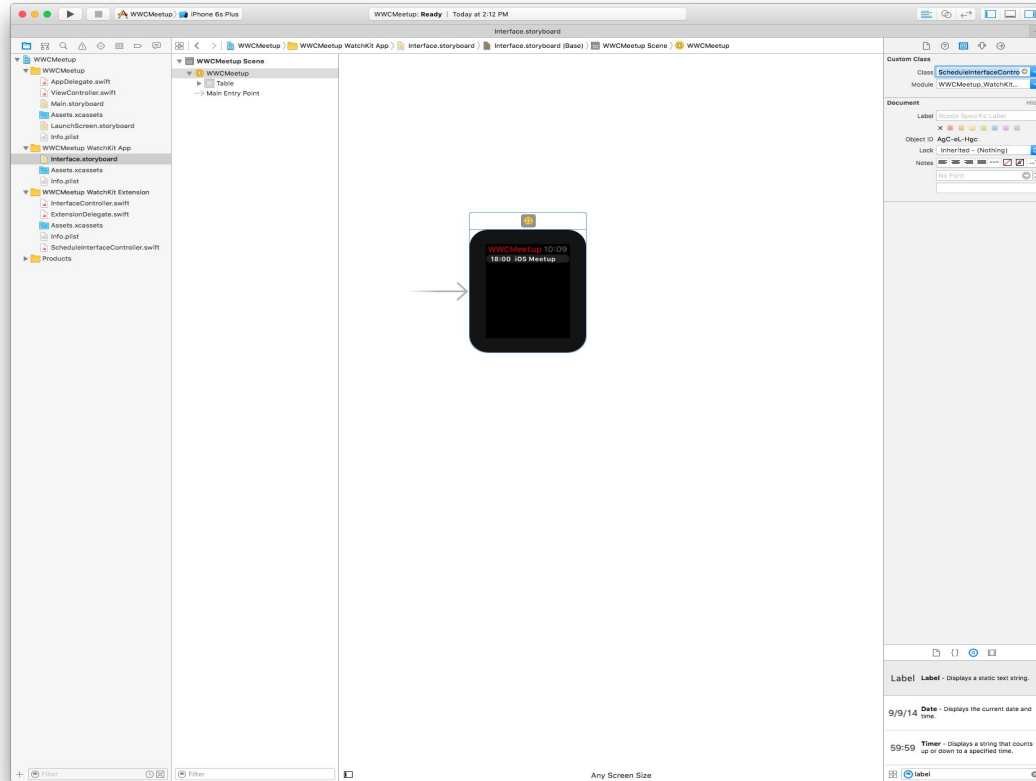
# Add a watchKit class



# ScheduleInterfaceController



# Change the class type as ScheduleInterfaceController



# Lets do some coding finally :)

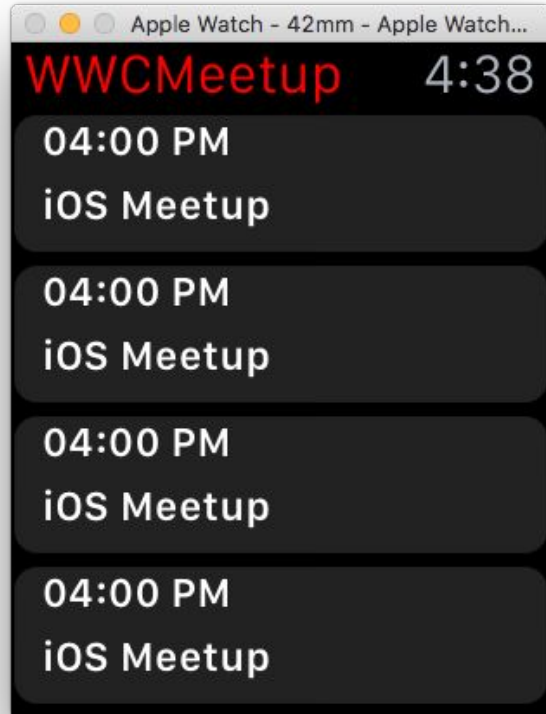
## Connect table

```
@IBOutlet var WWCMetupTable: WKInterfaceTable!
```

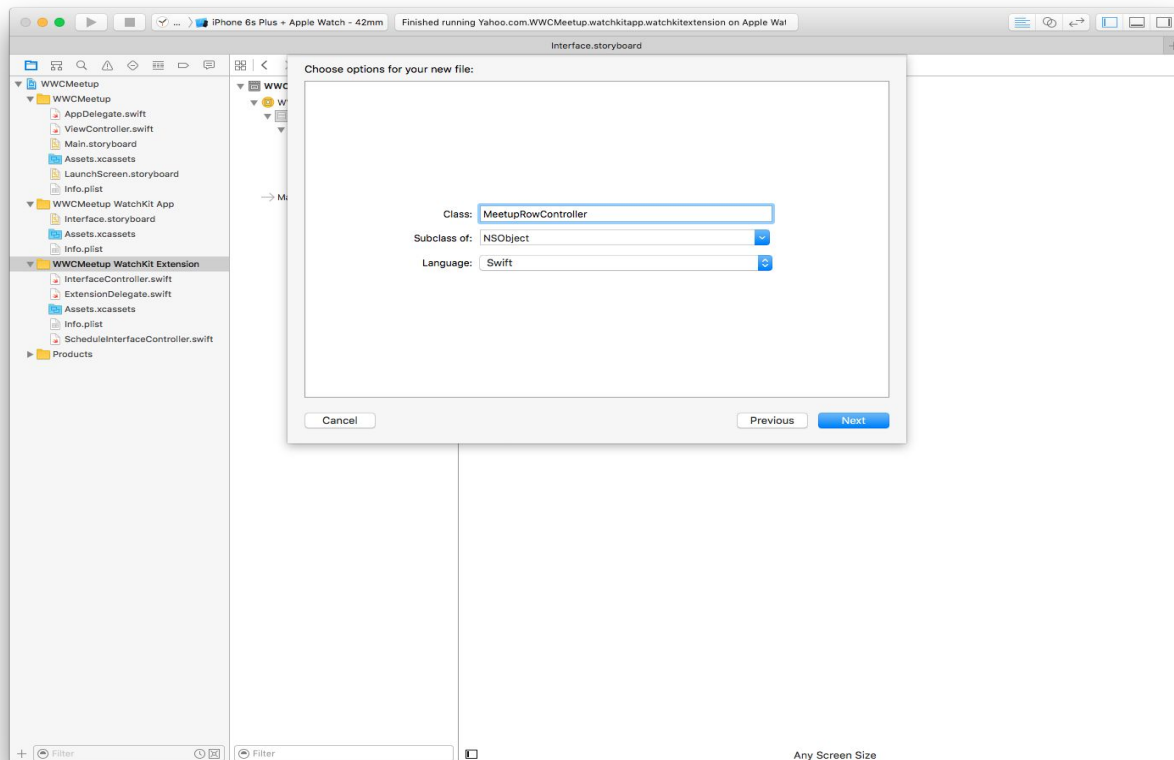
## Set up Number of rows

```
WWCMetupTable.setNumberOfRows(10, withRowType: "WWCRow");
```

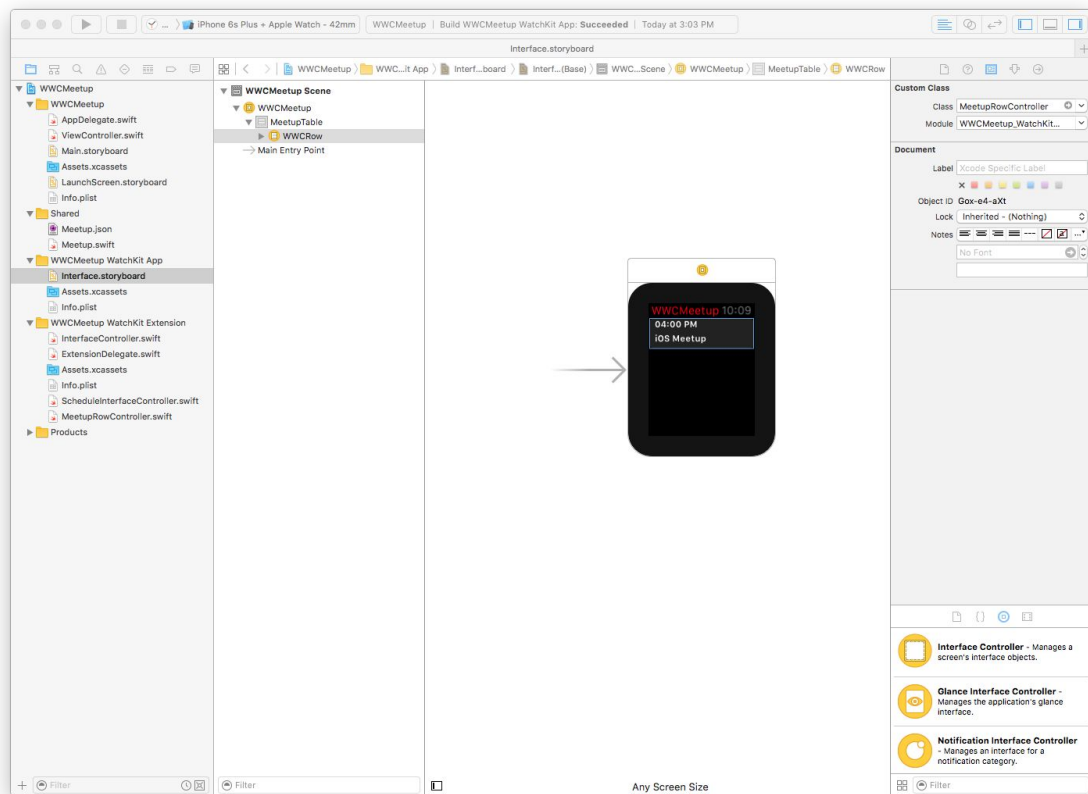
# Hit Run !



# MeetupRowController



# Change the class type as MeetupRowController





# Add meetup.json and meetup.swift (Shared folder)

```
[
{
  "startTime": "10:00 AM",
  "endTime": "12:00 PM",
  "title": "Python Meetup",
},
{
  "startTime": "12:00 PM",
  "endTime": "2:00 PM",
  "title": "iOS Meetup",
},
{
  "startTime": "2:00 PM",
  "endTime": "4:00 PM",
  "title": "WatchOS Meetup",
},
{
  "startTime": "4:00 PM",
  "endTime": "6:00 PM",
  "title": "Android Meetup",
},
{
  "startTime": "6:00 PM",
  "endTime": "8:00 PM",
  "title": "Java Meetup",
}
]
```

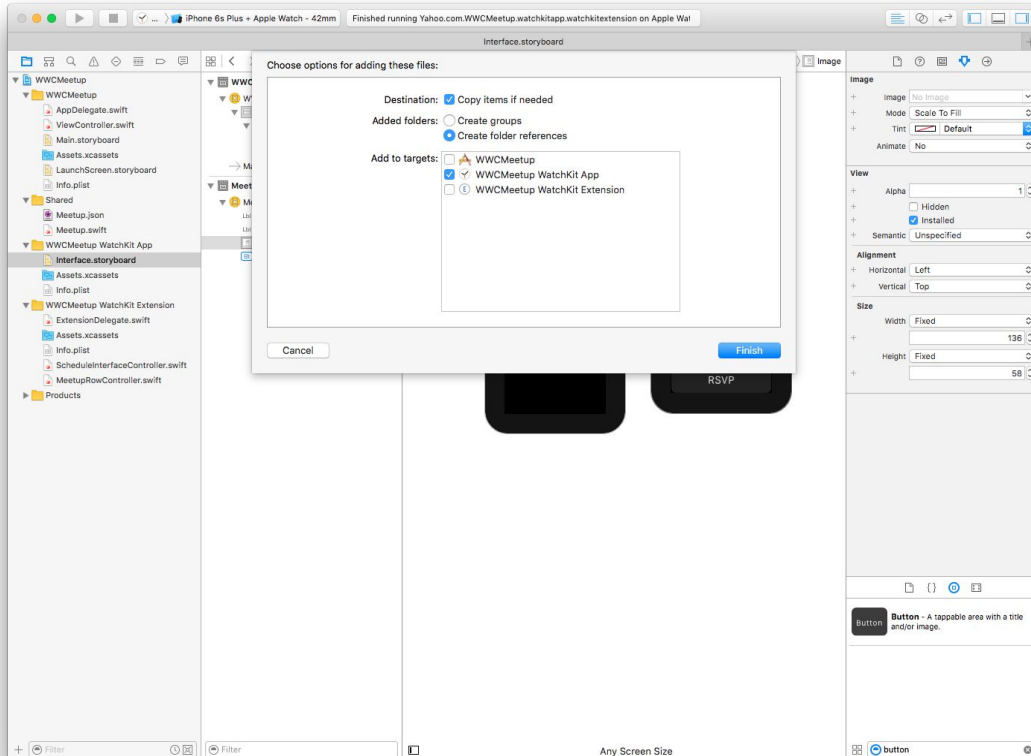
```
class Meetup {
    let title: String
    let starttime: String
    let endtime: String

    class func allMeetups() -> [Meetup] {
        var meetups = [Meetup]()
        if let path = NSBundle.mainBundle().pathForResource("Meetup", ofType: "json"),
let data = NSData(contentsOfFile: path) {
            do {
                let json = try NSJSONSerialization.JSONObjectWithData(data, options:
NSJSONReadingOptions.AllowFragments) as! [Dictionary<String, String>]
                for dict in json {
                    let meetup = Meetup(dictionary: dict)
                    meetups.append(meetup)
                } catch {
                    print(error)
                }
            }
            return meetups
        }

        init( title: String, starttime: String, endtime: String) {
            self.title = title
            self.starttime = starttime
            self.endtime = endtime
        }

        convenience init(dictionary: [String: String]) {
            let title = dictionary["title"]!
            let starttime = dictionary["startTime"]!
            let endtime = dictionary["endTime"]!
            self.init(title: title, starttime: starttime, endtime: endtime)
        }
    }
}
```

# Add files and add them to app and extension target



# Configure the labels on MeetupRowController

```
class MeetupRowController: NSObject {
    @IBOutlet var timeLabel: WKInterfaceLabel!
    @IBOutlet var titleLabel: WKInterfaceLabel!

    // 1
    var meetup: Meetup? {
        // 2 Add a property observer that is triggered whenever the property is set;
        didSet {

            // 3 Check if meetup is not nil
            if let meetup = meetup {

                // 4 configure the labels using the relevant properties of meetup
                timeLabel.setText(meetup.starttime)
                titleLabel.setText(meetup.title)
            }
        }
    }
}
```

# ScheduleInterfaceController

```
var meetups = Meetup.allMeetups()

override func awakeWithContext(context: AnyObject?) {
    super.awakeWithContext(context)

    // Set up a Row count
    WWCMetupTable.setNumberOfRows(meetups.count, withRowType: "WWCRow");

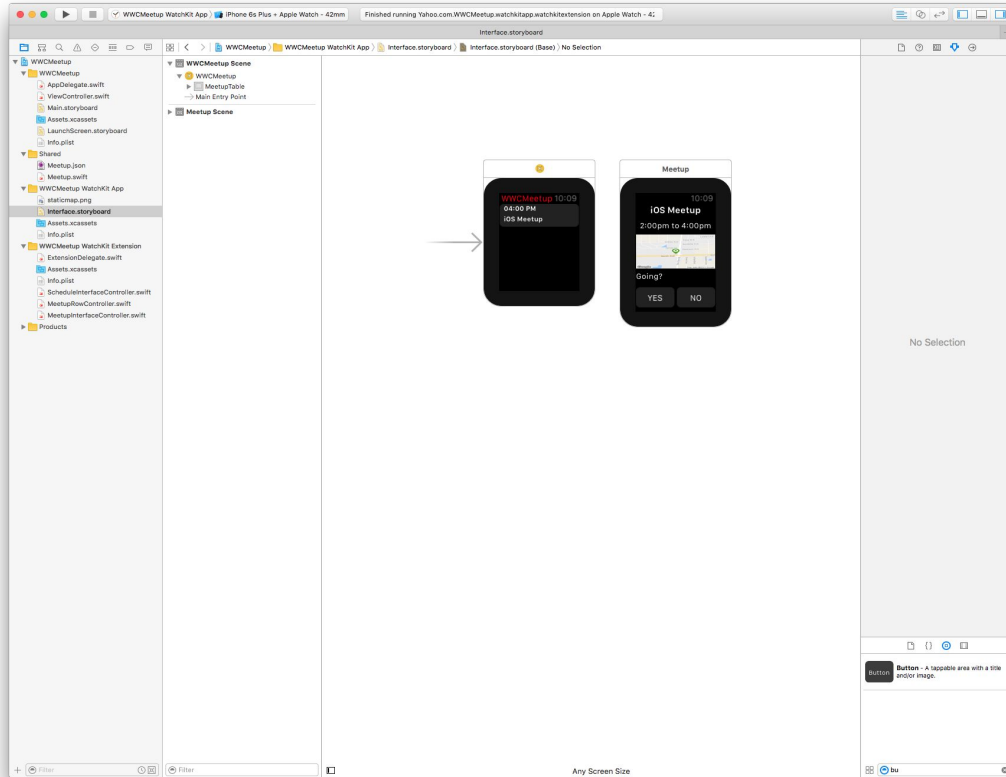
    // Add data for each row
    for index in 0..
```

# Hit Run!



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# Add new Interface controller and add design it.



- Change Identifier and name it as “Meetup”
- Copy a image called static maps into the project and assign it to the image.
- Create a group and add 2 buttons to it - YES & NO

# MeetupInterfaceController

```
class MeetupInterfaceController: WKInterfaceController {
    @IBOutlet var timeLabel: WKInterfaceLabel!
    @IBOutlet var titleLabel: WKInterfaceLabel!

    // 1
    var meetup: Meetup? {

    // 2
    didSet {

        // 3
        if let meetup = meetup {

            // 4
            timeLabel.setText("\(meetup.starttime) to \(meetup.endtime)")
            titleLabel.setText(meetup.title)
        }
    }

    override func awakeWithContext(context: AnyObject?) {
        super.awakeWithContext(context)
        if let meetup = context as? Meetup { self.meetup = meetup }
    }
}
```

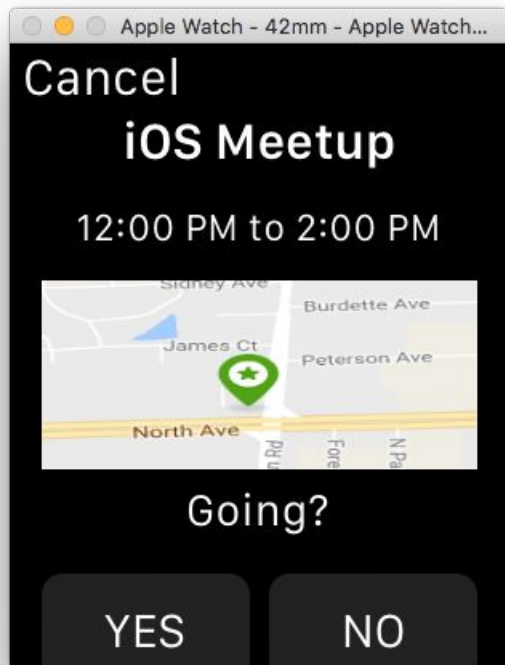
# ScheduleInterfaceController

Add a method `didSelectRowAtIndex` to push a viewcontroller

```
override func table(table: WKInterfaceTable, didSelectRowAtIndex rowIndex: Int) {  
    let meetup = meetups[rowIndex]  
    presentControllerWithName("Meetup", context: meetup)  
}
```

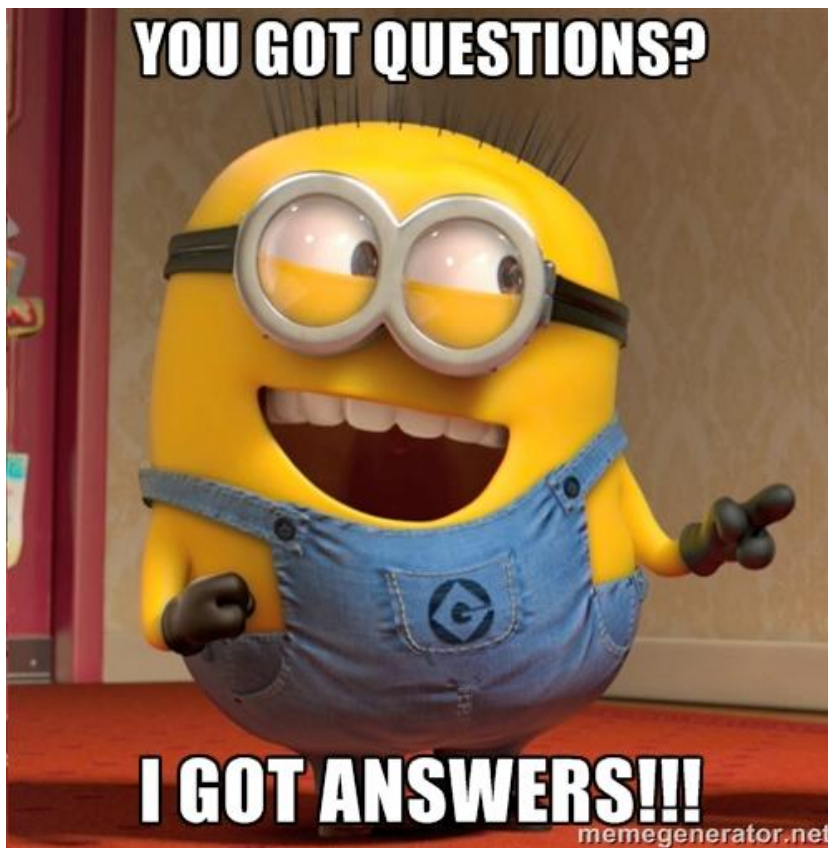


# Hit Run!



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**YOU GOT QUESTIONS?**



**I GOT ANSWERS!!!**

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**THANK YOU VERY MUCH**

