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// ViewController.swift

// 438PranavProject

//

// Created by Pranav Buggana on 11/14/18.

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//

import UIKit

import FirebaseDatabase

class ViewController: UIViewController {

var thePeeps:[schedule]

var ref: DatabaseReference!

var theChild: DatabaseReference!

let theSched:[String:Bool] = ["0":true,"1":false,"2":false,"3":false]

var theNameText:String = ""

var theDayText:String = ""

required init?(coder aDecoder: NSCoder) {

self.thePeeps = []

super.init(coder: aDecoder)

}

@IBOutlet weak var theDay: UITextField!

@IBOutlet weak var thePerson: UITextField!

@IBAction func overlay(\_ sender: Any) {

ref.observe(.value) { snapshot in

var allTimes:[[[Int]]] = []

var allDays:[[String]] = []

for child in snapshot.children {

var theSched:schedule

let c = child as! DataSnapshot

var theTimes:[[Int]] = []

var theDays:[String] = []

for child2 in c.children{

let c2 = child2 as! DataSnapshot

let key = c2.key

if key == "name"{

let val = c2.value as! String

print("name: \(val)")

}else{

theDays.append(key)

}

var times:[Int] = []

var free:[Int] = []

for child3 in c2.children{

if key != "name"{

let c3 = child3 as! DataSnapshot

let key = Int(c3.key)

let val = c3.value as! Int

times.append(key!)

free.append(val)

}

}

theTimes.append(times)

theTimes.append(free)

}

allDays.append(theDays)

allTimes.append(Array(theTimes.dropLast(2)))

}

let count = allTimes.count

print("allTimes \(allTimes), \(count)")

print("\(allDays), \(allTimes)")

}

}

@IBAction func theName(\_ sender: Any) {

theNameText = thePerson.text!

}

@IBAction func dayChanged(\_ sender: Any) {

theDayText = theDay.text!

}

@IBAction func newPerson(\_ sender: Any) {

ref = Database.database().reference()

theChild = ref.childByAutoId()

theChild.setValue(["name":theNameText])

}

@IBAction func newDay(\_ sender: Any) {

theChild.child(theDayText).setValue(theSched)

}

override func viewDidLoad() {

super.viewDidLoad()

// Do any additional setup after loading the view, typically from a nib.

ref = Database.database().reference()

}

override func didReceiveMemoryWarning() {

super.didReceiveMemoryWarning()

// Dispose of any resources that can be recreated.

}

}

//

// theSchedule.swift

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//

// Created by Pranav Buggana on 11/25/18.

//

import Foundation

struct schedule{

var name:String = ""

var M:[[Int]] = []

var T:[[Int]] = []

var W:[[Int]] = []

var Th:[[Int]] = []

var F:[[Int]] = []

var Sat:[[Int]] = []

var Sun:[[Int]] = []

}