



聊天機器人

組別: 第十組

組員: 三人小組

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動機



功能

1. 瞎聊

2. Autolayout

3. 能夠教它講話

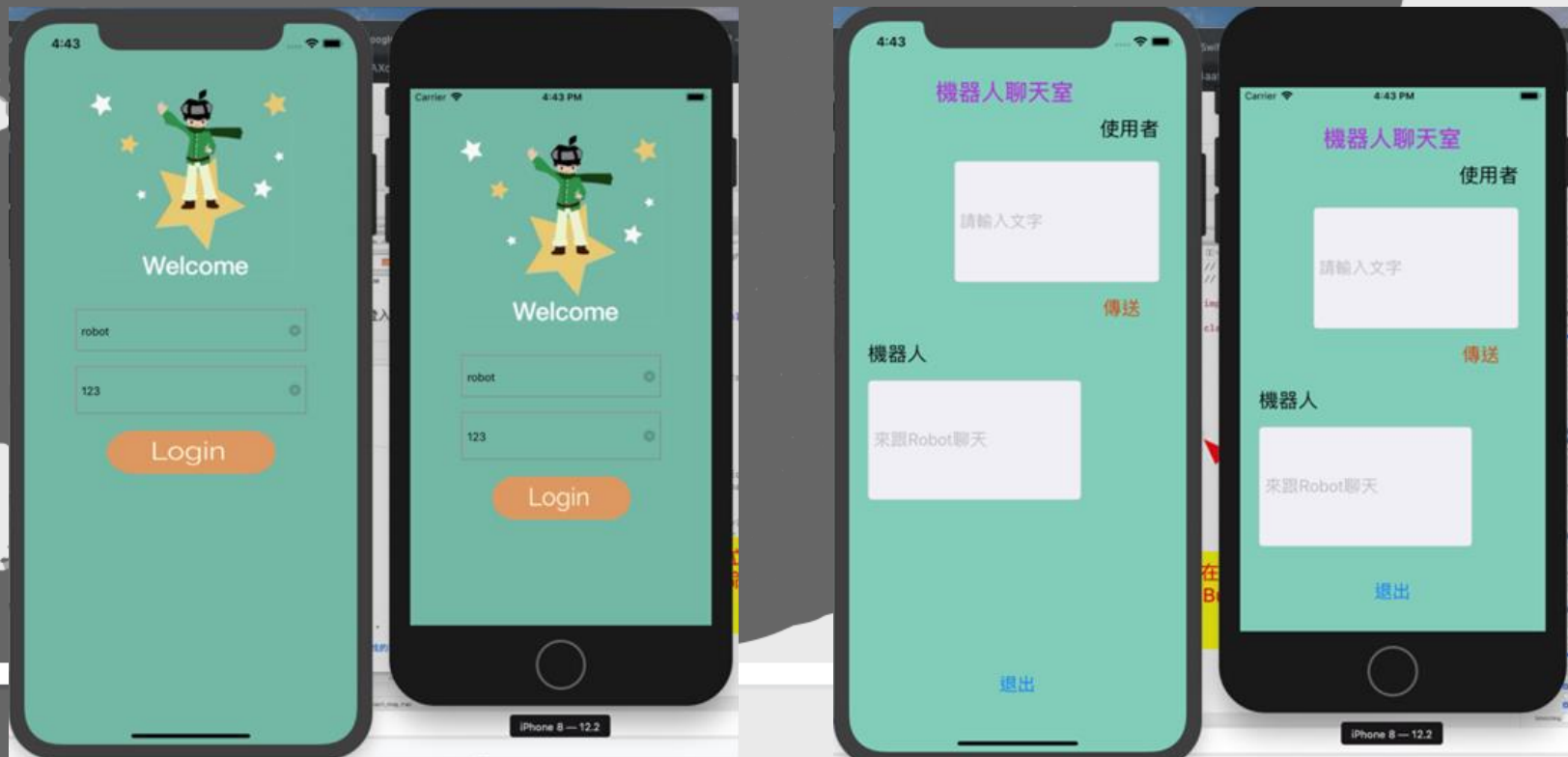
語法：bgg輸入@機器人回復

若成功學習則回覆我學到了



AutoLayout

iPhone XR V.S. iPhone 8



“

實作範例



“

程式碼介紹

```
class ViewController: UIViewController, UITextFieldDelegate {

    @IBOutlet weak var txtUser: UITextField!
    @IBOutlet weak var txtPwd: UITextField!
    @IBOutlet weak var inputLabel: UILabel!
    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view, typically from a nib.
    }
    //按下return鍵盤收起來
    func textFieldShouldReturn(_ textField: UITextField) -> Bool {
        textField.resignFirstResponder()
        return true
    }
    //點擊背景收起鍵盤
    override func touchesBegan(_ touches: Set<UITouch>, with event: UIEvent?) {
        self.view.endEditing(true)
    }
    @IBAction func loginClick(_ sender: Any) {
```



```
@IBAction func loginClick(_ sender: Any) {

    //判斷帳密是否正確
    if txtUser.text == "sunny" && txtPwd.text == "1234"{
        let storyboard = UIStoryboard(name: "Main", bundle: nil)
        let homeVC = storyboard.instantiateViewController(withIdentifier: "HomeVC")
        self.present(homeVC,animated: true,completion: nil)
    }
    else if txtUser.text == "robot" && txtPwd.text == "123"{
        let storyboard = UIStoryboard(name: "Main", bundle: nil)
        let chatroom = storyboard.instantiateViewController(withIdentifier: "chatRoom")
        self.present(chatroom,animated: true,completion: nil)
    }
    else{
        let alertVC = UIAlertController(title: "錯誤", message: "帳號或密碼錯誤"
            , preferredStyle: UIAlertController.Style.alert)
        let okButton = UIAlertAction(title: "確定", style: UIAlertAction.Style.default, handler: nil)
        alertVC.addAction(okButton)
        self.present(alertVC,animated: true,completion: nil)
    }
}
```

```

29  var i:Int=0
30  var end:Int = 0
31  var user:[String] = ["hi","eat","早安","要吃什麼?","幹","無聊"]
32  var robot:[String] = ["Hi,I am robot","漢堡好吃","早安，使用者","蛋餅+奶茶","閉嘴","去睡覺"]
33
34  ◎ @IBAction func send(_ sender: Any) {
35
36      i=0
37      end=0
38      //偵測資料庫來對話
39      for i in 0...user.count-1
40      {
41          if chatUser.text == user[i]{
42
43              chatRobot.text = robot[i]
44              break
45          }
46          else{
47
48              chatRobot.text = "我不懂你的意思"
49          }
50      }
51  }

```

```

52 //教機器人對話
53 let bggStr = String(chatUser.text!)
54 if bggStr.prefix(3) == "bgg"
55 {
56
57     for char in bggStr{
58         i=i+1
59         if(char=="@"){
60             chatRobot.text = "我學到了"
61             break
62         }
63     }
64     end = bggStr.count-i
65     /*if(i!=7){
66
67         chatRobot.text="mistake"
68     }*/
69     let inputString = (bggStr as NSString).substring(with: NSRange(3,i-4))
70     let replyString = (bggStr as NSString).substring(with: NSRange(i,end))
71     user += [inputString]
72     robot += [replyString]
73 }
74 }
75
76 @IBAction func out(_ sender: Any) {
77
78     self.dismiss(animated: true, completion: nil)
79 }
80

```



結論



Q&A

THANKS!