

Northern Michigan University (Marquette Co, MI)

CS344-01-25F: iOS / iPhone Programming (Andrew A. Poe) Name: _____
Quiz 4

Friday 26 September 2024 3:00 P.M. EDT

Time: 15 minutes.

Using only Swift, and not the storyboard, write a viewDidLoad method that creates 2 text fields and a button, reasonably sized and spaced, and places them on the view. When the button is clicked, the string in the first text field is scanned and the word YES or NO is placed in the second text field depending on whether the string in the first contains a Q/q not immediately followed by a U/u. For example, if the first textfield contains SHEQEL , the second textfield should say YES. If the first textfield says MALODOROUS , the second textfield should say NO.

```
var t1,t2:UITextField?
var butt:UIButton?
override func viewDidLoad() {
    super.viewDidLoad()
    t1 = UITextField()
    t1!.frame = CGRect (x:50,y:50,width:120,height:50)
    t2 = UITextField()
    t2!.frame = CGRect (x:150,y:50,width:120,height:50)
    view.addSubview (t1!)
    view.addSubview (t2!)
    butt = UIButton ()
    butt!.setTitle ("Q",for:UIControl.State.normal)
    butt!.frame = CGRect (x:250,y:50,width:120,height:50)
    butt!.addTarget
    (self,action:#selector(Q),for:UIControl.Event.touchUpInside)
    view!.addSubview (butt!)
}

@IBAction func Q {

    let word = t1!.text
    b = " "
    for c in word {
        if ((b=="Q" || b=="q") && (c != "U" && c != "u")) {
            t2!.text = "YES"
            return
        }
        b = c
    }
    t2!.text = "NO"
}
```