

# «DatePicker»

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# About the example

- 📱 **Just build a date selector**
- 📱 **Fix time limits**
  - 🕒 Lower bound = 10 days ago
  - 🕒 Upper bound = 30 days in the future
- 📱 **Display the selected date & time**

# Demo



# ViewController

```
//  
// ViewController.swift  
// DatePicker  
//  
// Created by Fabrice Kordon on 12/10/2018.  
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//  
  
import UIKit  
  
class ViewController: UIViewController {  
  
    override func viewDidLoad() {  
        super.viewDidLoad()  
        // Do any additional setup after loading the view  
        self.view = MyView(frame: UIScreen.main.bounds)  
    }  
  
    override func viewWillTransition(to size: CGSize,  
                                     with coordinator: UIViewControllerTransitionCoordinator) {  
        let v = self.view as! MyView // cast to avoid an error  
        v.displayForSize(size: size)  
    }  
}
```

# MyView

```
import UIKit

class MyView: UIView {

    private let fromPicker = UITextView()
    private let myPicker = UIDatePicker()
    private var crtDate = Date() // Current date & time

    override init(frame: CGRect) {
        fromPicker.isSelectable = false
        fromPicker.isEditable = false
        fromPicker.font = UIFont(name: "Helvetica", size: 18.0)
        fromPicker.textAlignment = .center
        myPicker.datePickerMode = .dateAndTime
        myPicker.minimumDate = crtDate.addingTimeInterval(-3600 * 24 * 10)
        myPicker.maximumDate = crtDate.addingTimeInterval(3600 * 24 * 30)
        super.init(frame: frame)
        self.backgroundColor = UIColor.white
        self.addSubview(fromPicker)
        self.addSubview(myPicker)
        myPicker.addTarget(self,
                           action: #selector(changeDate),
                           for: .valueChanged)
        fromPicker.text = crtDate.description(with: Locale.current)
        self.displayForSize(size: frame.size)
    }
}
```

# MyView

```
required init?(coder aDecoder: NSCoder) {
    fatalError("init(coder:) has not been implemented")
}

func displayForSize(size : CGSize) {
    fromPicker.frame = CGRect(x: 20, y: 30,
                               width: size.width - 40, height: 90)
    myPicker.frame = CGRect(x: 20, y: 80,
                              width: size.width - 40, height: 250)
}

@objc func changeDate (sender: UIDatePicker) {
    crtDate = sender.date
    // "Locale" = encapsulation to use preferences for display
    fromPicker.text = crtDate.description(with: Locale.current)
}
}
```

# As a conclusion...



## You need it!



- Standard
- Adapted to the user usage
- ▶ Display based on the user's preferences

