



«WatchMe»

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Goal of the example

ALFA Romeo show room

Display images

- Some nice cars...
- With explanations
- let you manipulate some basics
 - ▶ Storyboard for WatchOS
 - ▶ The main menu
 - ▶ Static and dynamic view handling

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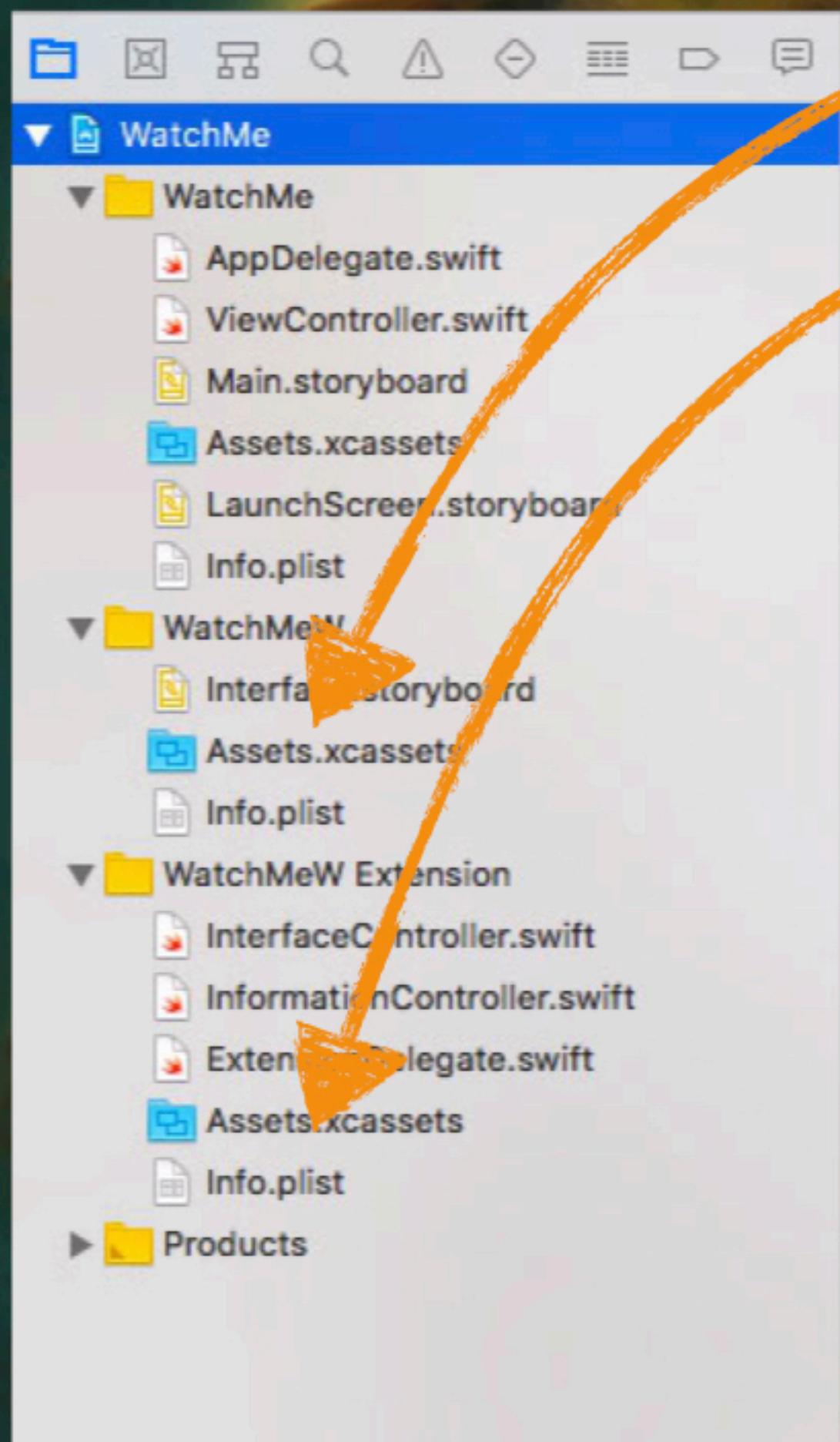
Demo (iPhone)

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Demo (watch)

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Structure of the project



images & icons in the watch

images in the watch

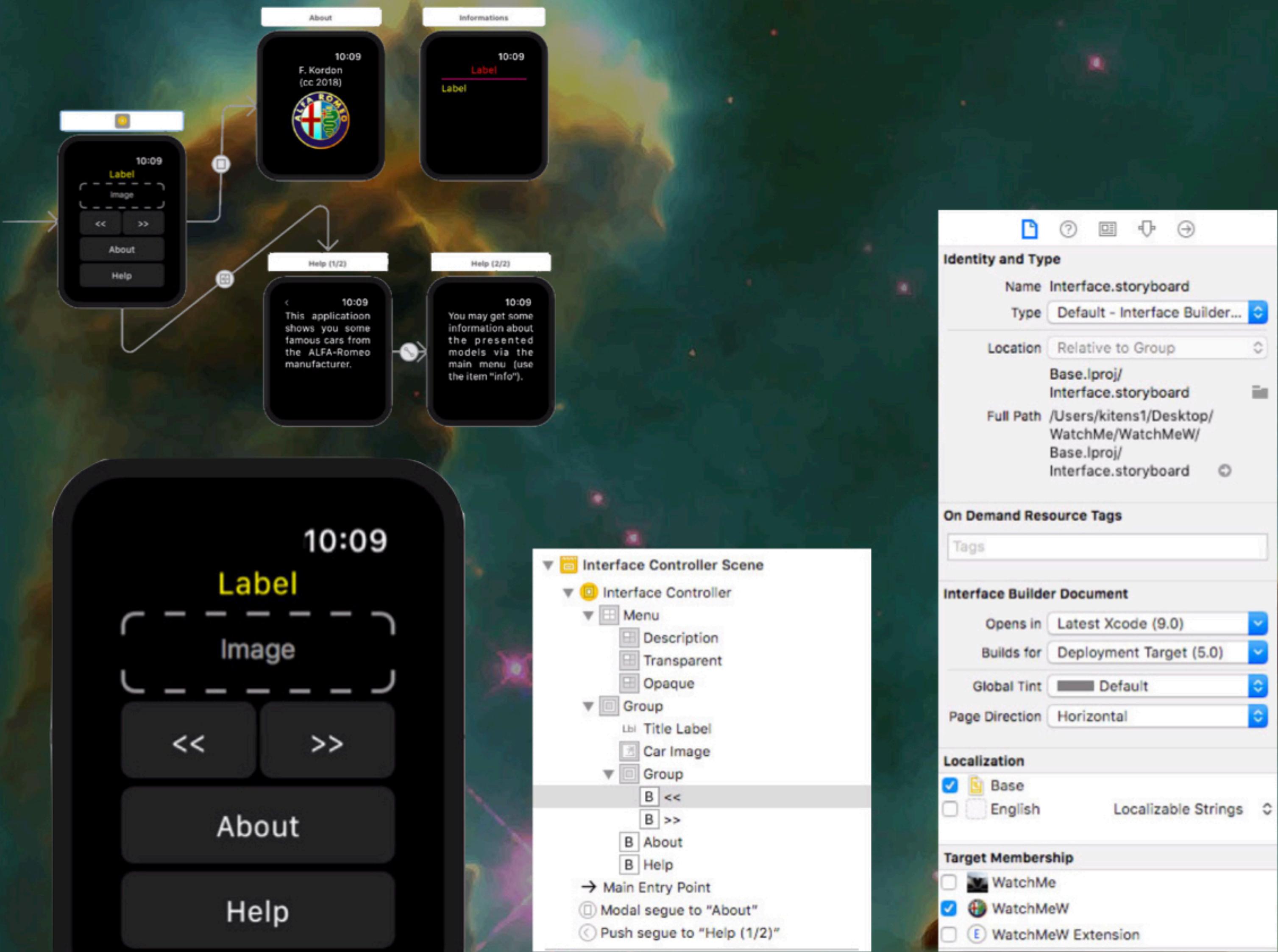
Three targets

The storyboard



The storyboard

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The storyboard

6

The image is a collage of various screens and interface elements from a mobile application development process:

- Top Left:** A storyboard diagram showing the flow between four scenes: "About", "Informations", "Image", and "Help". The "Image" scene is currently selected.
- Middle Left:** A screenshot of the "Image" scene, which displays a large yellow smiling emoji.
- Middle Center:** A yellow sticky note pinned with a red pushpin containing the text: "What about the «main app»? No need to implement something!"
- Bottom Left:** A screenshot of the "Help" scene, which shows a list of items including "About", "Help", and "This app shows famous the AB manufa".
- Bottom Center:** A screenshot of the "Informations" scene, showing a hierarchical structure with "Informations Scene" at the top, followed by "Informations", "Header", "Separator", and "Body".
- Bottom Right:** A screenshot of the Xcode Object Library inspector, titled "Custom Class". It shows the class "InformationController" selected under "Module WatchMeW_Extension". Other fields include "Label Xcode Specific Label", "Object ID ORA-48-zEN", "Lock Inherited - (Nothing)", and "Localizer Hint Comment For Localizer".

InterfaceController

```

import WatchKit
import Foundation

class InterfaceController: WKInterfaceController {

    private let tabTitle = ["Alfetta GTV", "Spider Duetto",
                           "Giulia Spider", "6C 2500", "Giulia GT", "1900 SSZ",
                           "Montréal", "GT", "Alfasud Sprint"]

    private let tabExplanation = [
        "This car was built between 1974 and 1987 (production: 140000 units). The photo shows the second revision  

        (after 1980). TH 2.5 V6 liter was a must.",
        "This car was built between 1966 and 1993. The photo shows the second revision (1969-1983). This car became  

        famous because it was the one of Dustin Hoffman in «the laureate».",
        "This car was built between 1955 and 1965. It is a must of the 1950's, symbol of the dolce vita.",
        "This car is one of the last Alfa 6C in version 2500 (manufactured after WW2 based on the model of the late  

        1930's). It was sold until 1951.",
        "This car was built between 1955 and 1965. The «Junior» version was very successful.  

        version, lighter and also more powerful, dedicated to races (production: 124 units).",
        "This car is a small special series designed by Zagato in 1956 based on an Alfa 1900  

        "This is the public version derived from a «dream car» presented in a Montréal int  

        1967. Only 3925 units were produced between 1971 and 1974 (but sold until 1977). Embeddi  

        it is a victim of the the first petrol shock.",
        "This car was first presented in the motor show of Geneva in 2003 and then produ  

        very successful (production: 80832 units). It was also popularized in several video game  

        «Test Drive Unlimited».",
        "This car is a muscled version of the Alfasud TI manufactured in the Pomigliano  

        of Italy. Elle was produced between 1976 and 1989."]

    private var displayed = 1

    @IBOutlet weak var titleLabel: WKInterfaceLabel!
    @IBOutlet weak var carImage: WKInterfaceImage!
}

```



InterfaceController

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```
override func awake(withContext context: Any?) {  
    super.awake(withContext: context)  
    // Configure interface objects here.  
    self.display()  
}  
  
func display () {  
    titleLabel.setText(tabTitle[displayed-1])  
    // image on the Phone  
    //carImage?.setImage(UIImage(string(format:"alfa-%u", displayed)))  
    // image on the watch  
    carImage?.setImageNamed(String(format:"alfa-%u", displayed))  
}  
  
override func willActivate() {  
    super.willActivate()  
}  
  
override func didDeactivate() {  
    super.didDeactivate()  
}
```

InterfaceController

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// Local buttons handled programmatically

```
@IBAction func next() {  
    if displayed == tabTitle.count {  
        displayed = 1  
    } else {  
        displayed += 1  
    }  
    self.display()  
}
```

```
@IBAction func previous() {  
    if displayed == 1 {  
        displayed = tabTitle.count  
    } else {  
        displayed -= 1  
    }  
    self.display()  
}
```



InterfaceController

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```
// Menu buttons

@IBAction func describe() {
    self.presentController(withName: "Information",
        context: [tabTitle[displayed-1], tabExplanation[displayed-1]])
}

@IBAction func setTransparency() {
    carImage.setAlpha(0.5)
}

@IBAction func setOpaque() {
    carImage.setAlpha(1.0)
}
```



```
import WatchKit
import Foundation

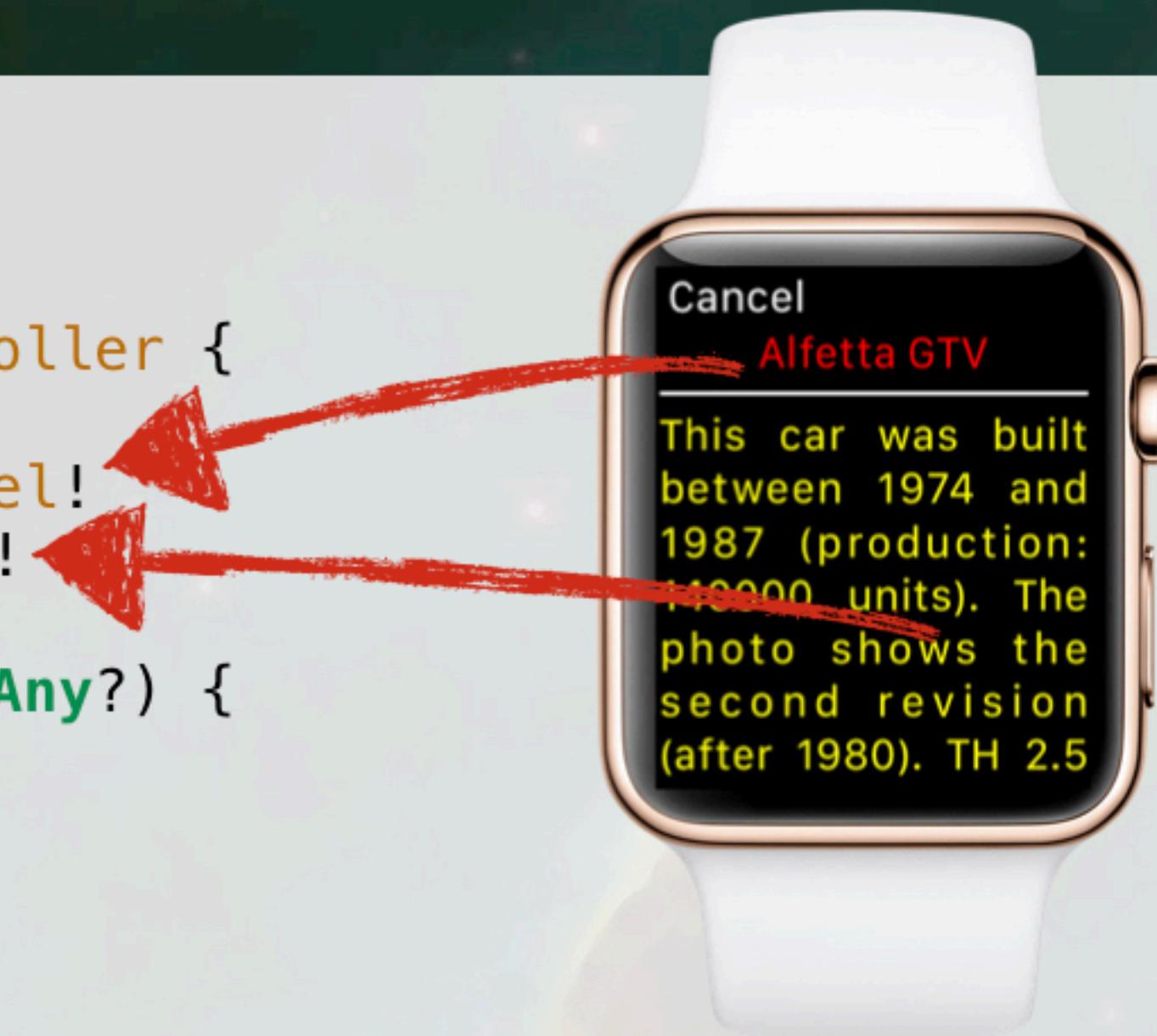
class InformationController: WKInterfaceController {

    @IBOutlet weak var header: WKInterfaceLabel!
    @IBOutlet weak var body: WKInterfaceLabel!

    override func awakeWithContext(context: Any?) {
        super.awakeWithContext(context)
        // Configure interface objects here.
        let ctx = context! as! [String]
        header.setText(ctx[0])
        body.setText(ctx[1])
    }

    override func willActivate() {
        super.willActivate()
    }

    override func didDeactivate() {
        super.didDeactivate()
    }
}
```



As a conclusion...

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Easy isn't it?

- Nice add-on to many applications
- Huge planned development for health Apps
 - ▶ **Nice from a medical perspective**
 - ▶ **But raises numerous societal problems**

Data exchange between watch and phone?

- It is possible
- Mentioned in a next video