

BreakfastFinder

main

BreakfastFinder › João Bruno's iPhone

BreakfastFinder: Ready | Today at 16:14

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BreakfastFinder › BreakfastFinder › VisionObjectRecognitionViewController

M setupVision()

```
6 */
7
8 import UIKit
9 import AVFoundation
10 import Vision
11
12 class VisionObjectRecognitionViewController: UIViewController {
13
14     private var detectionOverlay: CALayer! = nil
15
16     // Vision parts
17     private var requests = [VNRequest]()
18
19     @discardableResult
20     func setupVision() -> NSError? {
21         // Setup Vision parts
22         let error: NSError! = nil
23
24         guard let modelURL = Bundle.main.url(forResource: "ObjectDetector", withExtension: "mlmodelc") else {
25             return NSError(domain: "VisionObjectRecognitionViewController", code: -1, userInfo: [NSLocalizedStringDescriptionKey: "Model file is missing"])
26         }
27         do {
28             let visionModel = try VNCoreMLModel(for: MLModel(contentsOf: modelURL))
29             let objectRecognition = VNCoreMLRequest(model: visionModel, completionHandler: { (request, error) in
30                 DispatchQueue.main.async(execute: {
31                     // perform all the UI updates on the main queue
32                     if let results = request.results {
33                         self.drawVisionRequestResults(results)
34                     }
35                 })
36             })
37             self.requests = [objectRecognition]
38         } catch let error as NSError {
39             print("Model loading went wrong: \(error)")
40         }
41
42         return error
43     }
44
45     func drawVisionRequestResults(_ results: [Any]) {
46         CATransaction.begin()
47         CATransaction.setValue(kCFBooleanTrue, forKey: kCATransactionDisableActions)
48         detectionOverlay.sublayers = nil // remove all the old recognized objects
49         for observation in results where observation is VNRecognizedObjectObservation {
```

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14 characters | 📄

BreakfastFinder

main

BreakfastFiJoão Bruno's iPhoneFinished running BreakfastFinder on João Bruno's iPhone11

ViewControllerVisionObjectRecognitionViewControllerLaundryTagsDetector

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BreakfastFinder

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5Contains the object recognition view controller for the Breakfast Finder.

6*/

7

8import UIKit

9import AVFoundation

10import Vision

11

12class VisionObjectRecognitionViewController: ViewController {

13

14private var detectionOverlay: CALayer! = nil

15

16// Vision parts

17private var requests = [VNRequest]()

18

19@discardableResult

20func setupVision() -> NSError? {

21// Setup Vision parts

22let error: NSError! = nil

23

24guard let modelURL = Bundle.main.url(forResource: "LaundryTagsDetector", withExtension: "mlmodelc") else {

25return NSError(domain: "VisionObjectRecognitionViewController", code: -1, userInfo: [NSLocalizedStringKey: "Model file is missing"])

26}

27do {

28let visionModel = try VNCoreMLModel(for: MLModel(contentsOf: modelURL))

29let objectRecognition = VNCoreMLRequest(model: visionModel, completionHandler: { (request, error) in

30DispatchQueue.main.async(execute: {

31// perform all the UI updates on the main queue

32if let results = request.results {

33self.drawVisionRequestResults(results)

34}

35})

36})

37self.requests = [objectRecognition]

38} catch let error as NSError {

39print("Model loading went wrong: \(error)")

40}

41

Line: 24 Col: 79

UIApplicationMain + 340

47 BreakfastFinder.debug.dylib0x0000000102b07088

__debug_main_executable_dylib_entry_point + 64

48 dyld0x00000001b2784d34

5DB83988-2EE6-3756-BD07-B8D67B1133A5 + 212276

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