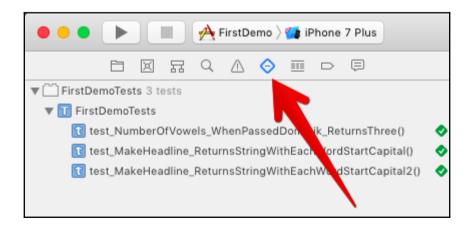
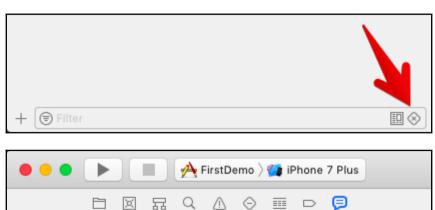
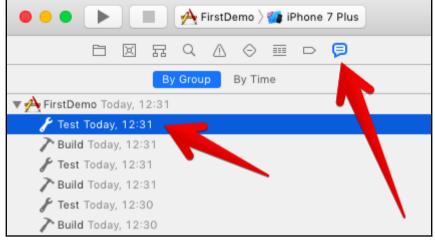
Chapter 1: Your First Unit Tests

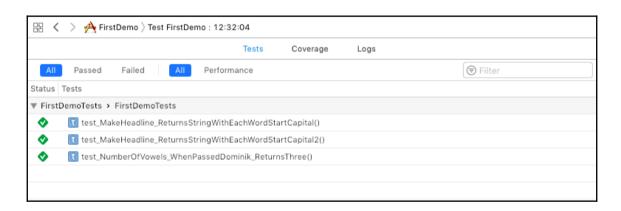
Choose options for your new project:	
Product Name:	FirstDemo
Team:	Dominik Hauser
Organization Name:	dasdom
Organization Identifier:	com.swiftandpainless
Bundle Identifier:	com.swiftandpainless.FirstDemo
Language:	Swift
	Use Core Data
	✓ Include Unit Tests ☐ Include UI Tests
Cancel	Previous Next

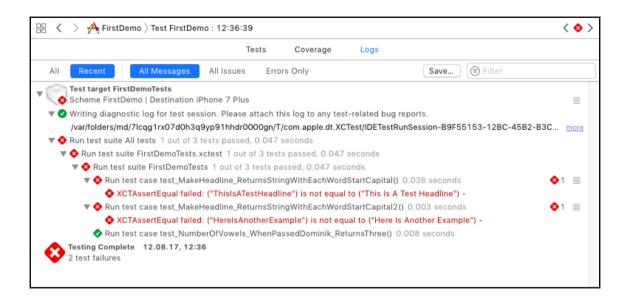


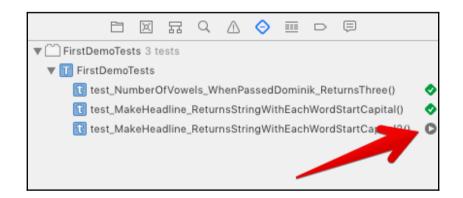


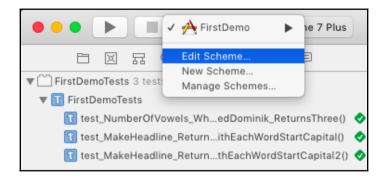


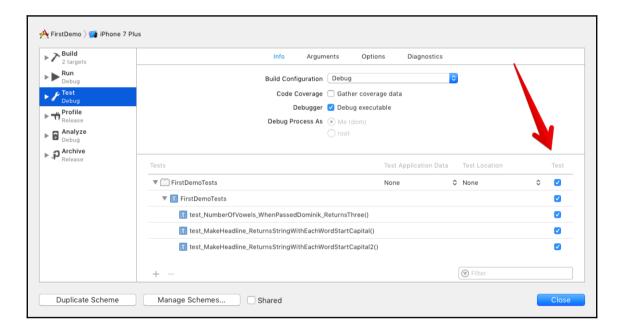




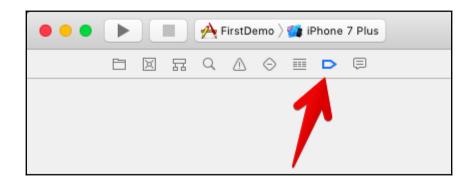








```
func test_MakeHeadline_ReturnsStringWithEachWordStartCapital2() {
❸
     let input
                    = "Here is another Example"
58
     let expectedOutput = "Here iS Another Example"
59
60
61
62
     let headline = viewController.makeHeadline(from: input)
63
64
     }
66
```



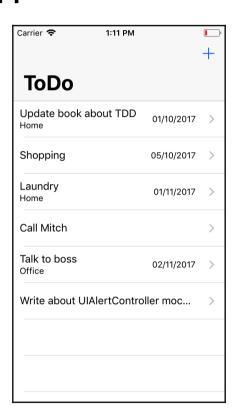
Swift Error Breakpoint
Exception Breakpoint...
OpenGL ES Error Breakpoint
Symbolic Breakpoint...
Constraint Error Breakpoint

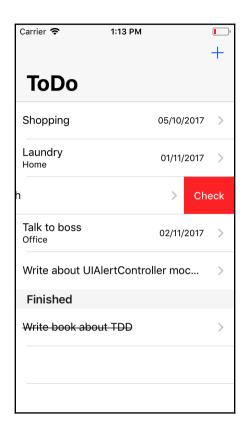
Test Failure Breakpoint

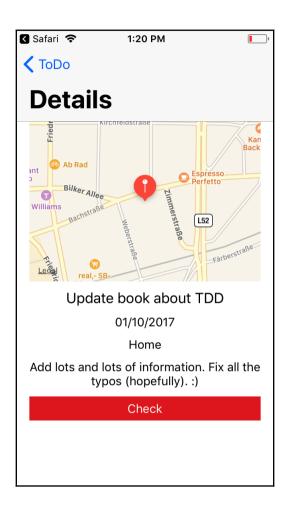
+

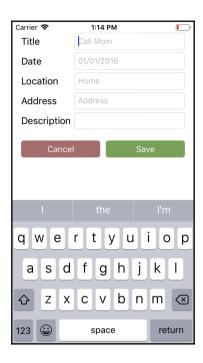
| Filter | D |

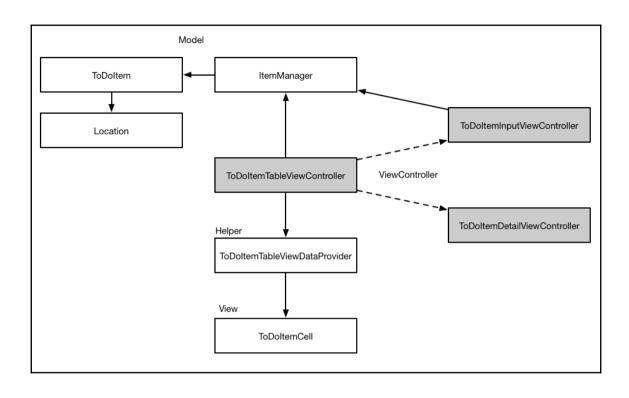
Chapter 2: Planning and Structuring Your TestDriven iOS App

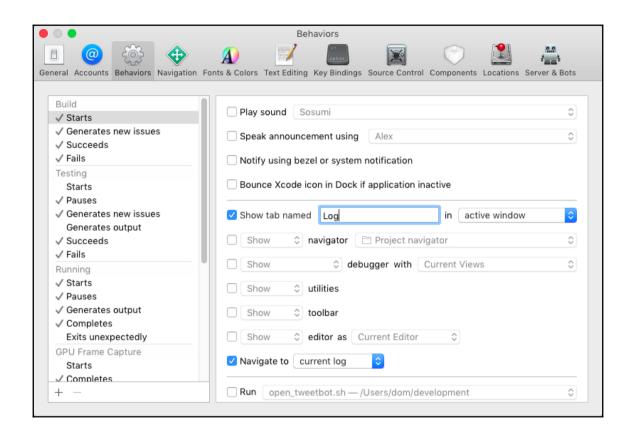


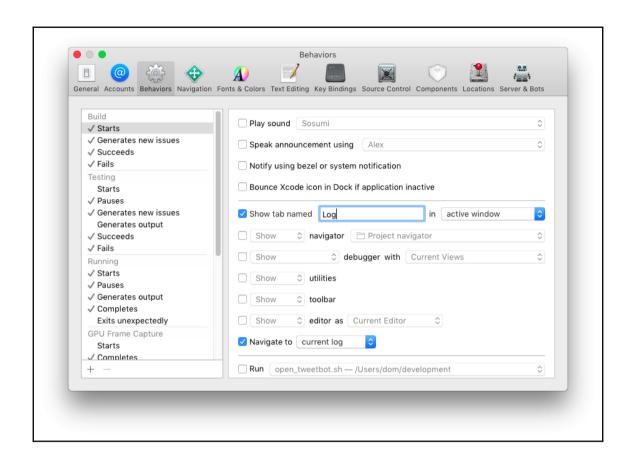












```
FirstDemo | Build FirstDemo: Succeeded | 0.937s

| Signature | Si
                                                                                                                                                                                                             // viewController.swift Implementation
        // FirstDemoTests.swift
// FirstDemoTests
                                                                                                       Tests
                                                                                                                                                                                                            //
// Created by dasdom on 10.08.17-
// Copyright © 2017 dasdom. All rights reserved.
        //
// Created by dasdom on 10.08.17.
// Copyright © 2017 dasdom. All rights reserved.
       import XCTest
@testable import FirstDemo
                                                                                                                                                                                                        9 import UIKit
                                                                                                                                                                                                     11 class ViewController: UIViewController {
 class FirstDemoTests: XCTestCase {
                                                                                                                                                                                                                 override func viewDidLoad() {
                                                                                                                                                                                                                     verifue tune viewDidLoad()

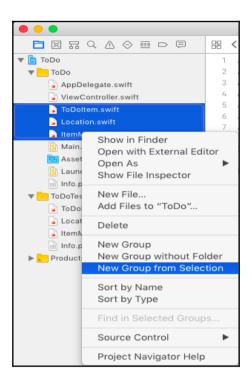
// Do any additional setup after loading the view, typically from a nib.
             var viewController: ViewController!
             override func setUp() {
                viewController = ViewController()
                                                                                                                                                                                                                 override func didReceiveMemoryWarning() {
                                                                                                                                                                                                                     super.didReceiveMemoryWarning()
// Dispose of any resources that can be recreated.
                                                                                                                                                                                                     20
21
22
23
24
25
26
27
             override func tearDown() {
  viewController = nil
                                                                                                                                                                                                                 23
            }
             func test_NumberOfVowels_WhenPassedDominik_ReturnsThree() {
                                                                                                                                                                                                                     return string.characters.reduce(0) {
                                                                                                                                                                                                                         $0 + (vowels.contains($1) ? 1 : 0)
                                                                                                                                                                                                     28
29
30
31
32
33
34
                 let string = "Dominik"
                 let numberOfVowels = viewController.numberOfVowels(in: string)
                                                                                                                                                                                                                 func makeHeadline(from string: String) -> String {
                let words = string.components(separatedBy: " ")
                                                                                                                                                                                                                     let headlineWords = words.map { (word) -> String in
  var mutableWord = word
             func test_MakeHeadline_ReturnsStringWithEachWordStartCapital() {
                 let input = "this is A test headline"
let expectedOutput = "This Is A Test Headline"
                                                                                                                                                                                                                         let first = mutableWord.remove(at: mutableWord.startIndex)
                                                                                                                                                                                                                         return String(first).uppercased() + mutableWord
                 let headline = viewController.makeHeadline(from: input)
```

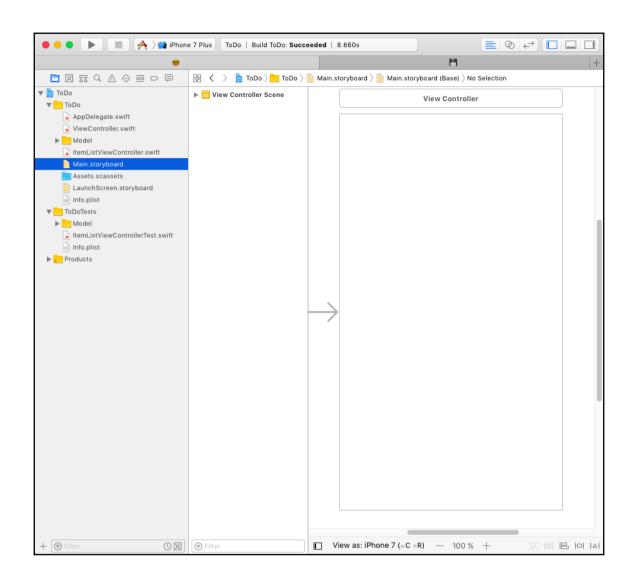
Chapter 3: A Test-Driven Data Model

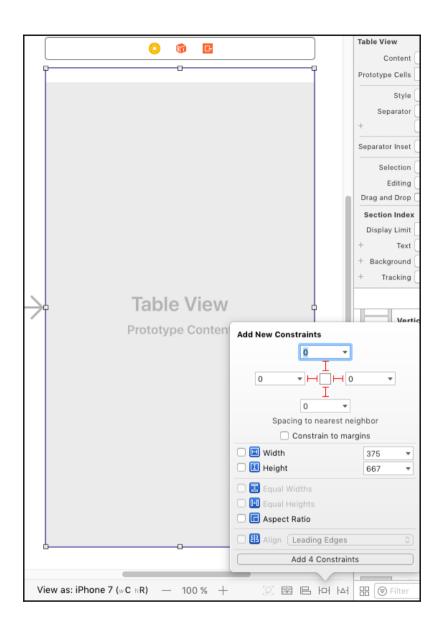


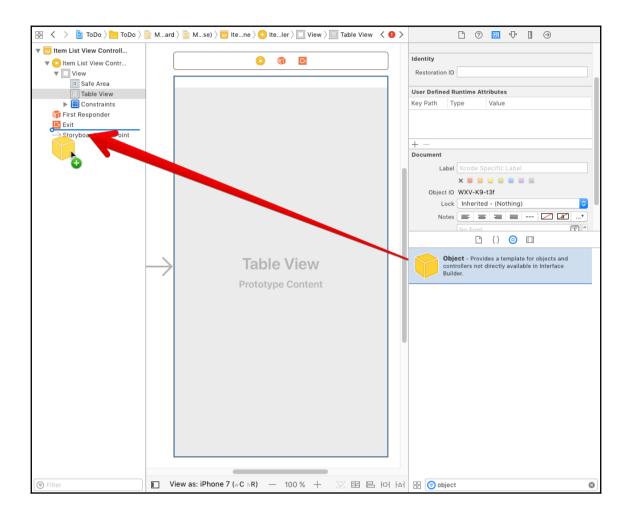
```
func assertLocationNotEqualWith(firstName: String,
82
                                       firstLongLat: (Double,
83
                                                      Double)?,
84
85
                                       secondName: String,
                                       secondLongLat: (Double,
86
                                                       Double)?) {
87
88
        var firstCoord: CLLocationCoordinate2D? = nil
89
        if let firstLongLat = firstLongLat {
90
91
          firstCoord =
            CLLocationCoordinate2D(latitude: firstLongLat.0,
92
93
                                   longitude: firstLongLat.1)
       }
94
       let firstLocation =
95
96
         Location(name: firstName,
                   coordinate: firstCoord)
97
98
99
       var secondCoord: CLLocationCoordinate2D? = nil
100
       if let secondLongLat = secondLongLat {
          secondCoord =
            CLLocationCoordinate2D(latitude: secondLongLat.0,
                                   longitude: secondLongLat.1)
104
105
        let secondLocation =
106
       Location(name: secondName,
107
                   coordinate: secondCoord)
108
109
      XCTAssertNotEqual(firstLocation, secondLocation) OXCTAssertNotEqual faile...
```

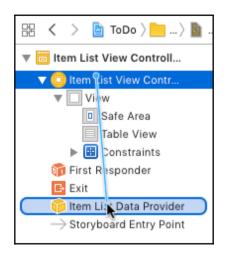
Chapter 4: A Test-Driven View Controller

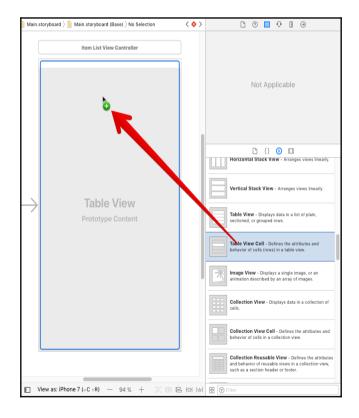


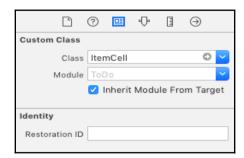


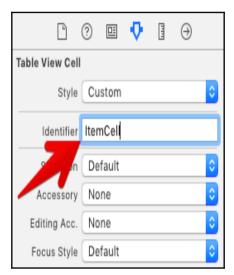


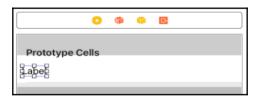








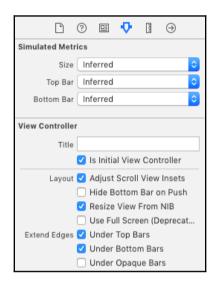


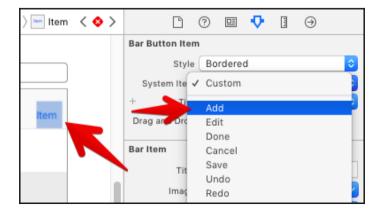


Chapter 5: Testing Network Code

130	
131	XCTAssertEqual(latitude,
132	0.0,
133	accuracy: 0.001)
134	XCTAssertEqual(longitude,
135	0.0,
136	accuracy: 0.001)
137	

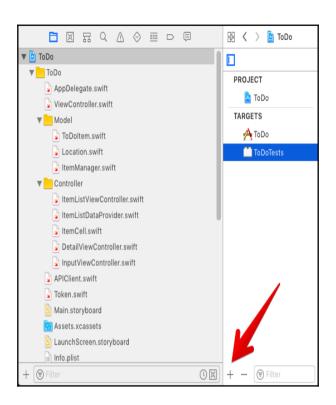
Chapter 6: Putting It All Together

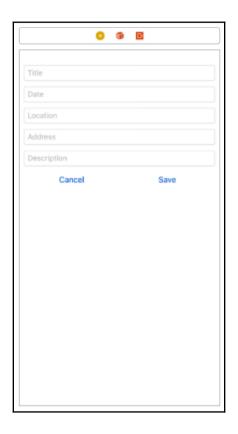


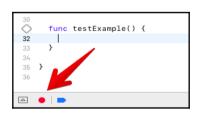




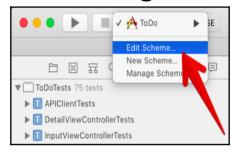


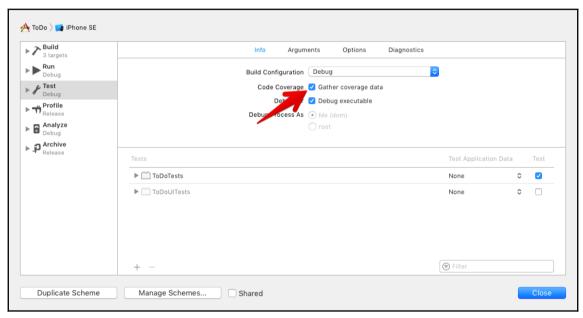


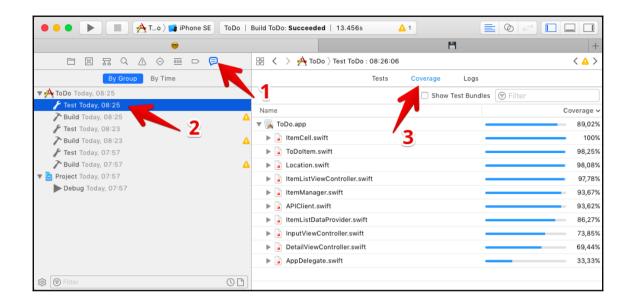




Chapter 7: Code Coverage







```
    Controller 
    DetailViewController.swift 
    No Selection
    ToDo 
                                                                                                                                                                                                                           < 🛕 >
  20
                  var itemInfo: (ItemManager, Int)?
  21
                  let dateFormatter: DateFormatter = {
                        let dateFormatter = DateFormatter()
                        dateFormatter.dateFormat = "MM/dd/yyyy"
                       return dateFormatter
  25
                }()
  26
  27
  28
                  override func viewWillAppear( animated: Bool) {
  29
                        super.viewWillAppear(animated)
  30
  31
                        quard let itemInfo = itemInfo else { return }
                        let item = itemInfo.0.item(at: itemInfo.1)
  32
                        titleLabel.text = item.title
  34
                        locationLabel.text = item.location?.name
  35
                        descriptionLabel.text = item.itemDescription
  36
  37
                        if let timestamp = item.timestamp {
  38
  39
                              let date = Date(timeIntervalSince1970: timestamp)
                              dateLabel.text = dateFormatter.string(from: date)
  40
  41
  42
                        if let coordinate = item.location?.coordinate {
  43
                              let region = MKCoordinateRegionMakeWithDistance(coordinate,
  45
                                                                                                                                                                                   100, 100)
  46
                              mapView.region = region
  47
                  }
  48
  49
                  func checkItem() {
  50
                        if let itemInfo = itemInfo {
  51
                               itemInfo.0.checkItem(at: itemInfo.1)
  52
  54
  55 }
  56
```

Table of Contents

Index	,
maex	

Index