






MapKit Tutorial - [Watch Podcast while following below steps](#)

1. Create **New Single View Application**, Product Name: CrimeMap

Choose a template for your new project:

iOS				
Application	Master-Detail Application	Page-Based Application	Single View Application	Tabbed Application
Framework & Library				
watchOS				
Application				
Framework & Library				
tvOS				
Application	Game			
Framework & Library				
OS X				
Application				
Framework & Library				
System Plug-in				
Other				

Single View Application

This template provides a starting point for an application that uses a single view. It provides a view controller to manage the view, and a storyboard or nib file that contains the view.

Cancel Previous Next

Choose options for your new project:

Product Name:

Organization Name:

Organization Identifier:

Bundle Identifier:

Language:

Devices:

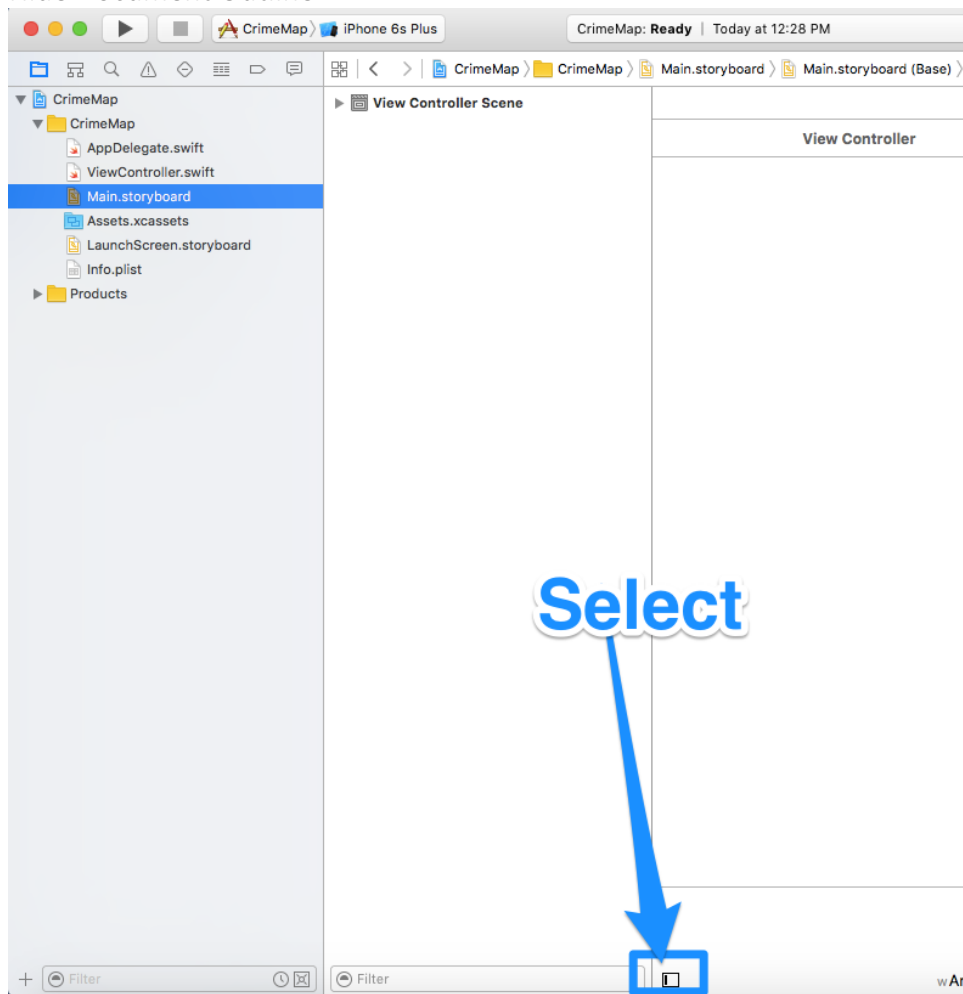
☐ Use Core Data

☐ Include Unit Tests

☐ Include UI Tests

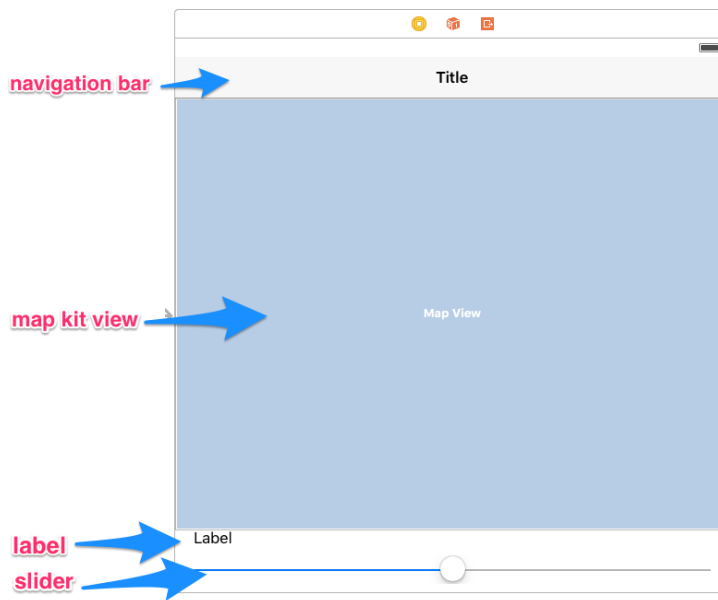
Cancel Previous Next

2. Set Device Orientation to **Portrait**
3. Select **Main.Stroyboard**
4. Hide Document Outline



5. Add Objects to View Controller
 - Navigation Bar
 - Map Kit View
 - Label

- UISlider

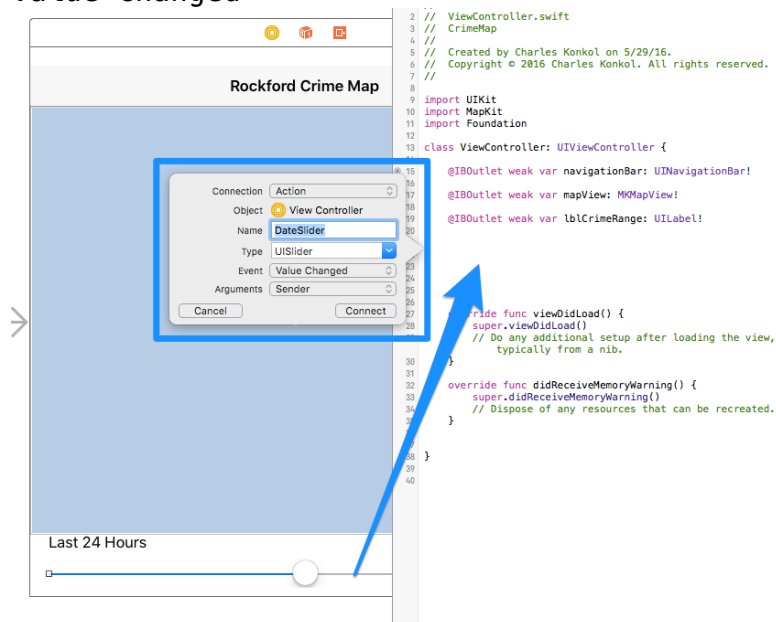


6. Click on viewController.swift and add Imports to top of viewController.swift

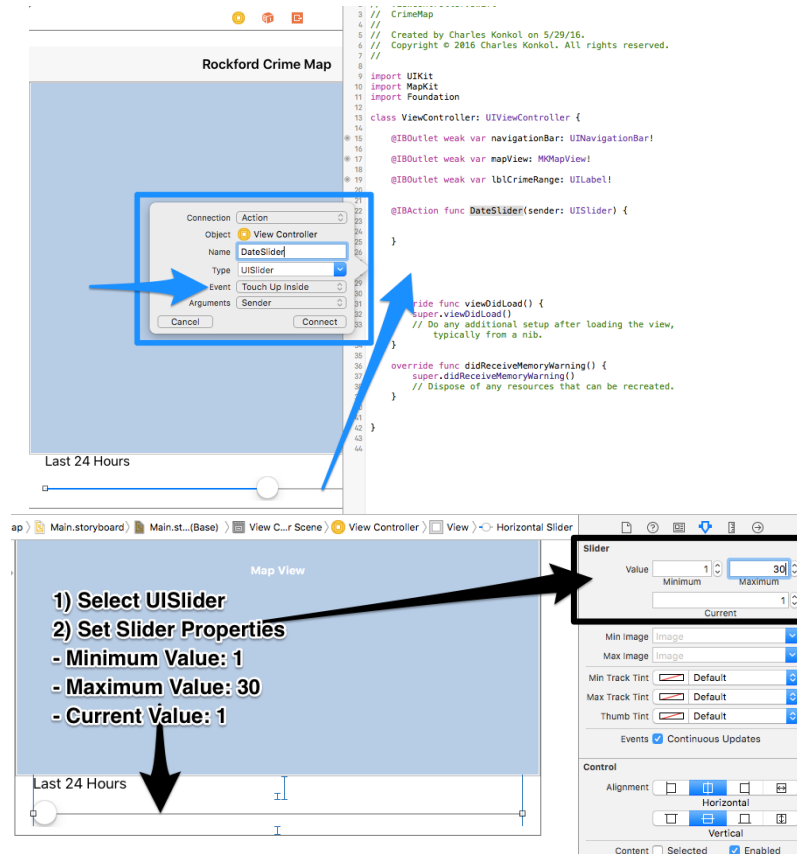
```
import MapKit
import Foundation
```

7. Click on Main.StoryBoard > Show Assistant Editor and Create Outlets & Actions (Click, Drag and Drop to Code)

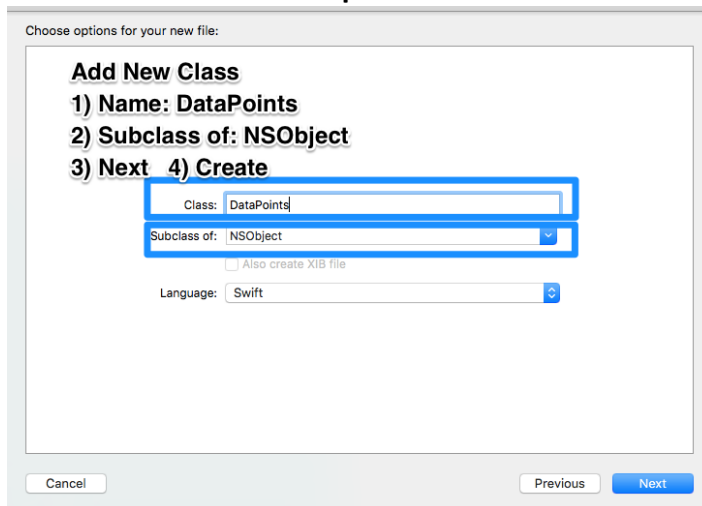
- Navigation Bar
 1. Name: navigationBar
- Map Kit View
 1. Name: mapView
- Label
 1. Name: lblCrimeRange
- Slider
 1. 2 Action Events
 2. Name: DateSlider
 - Value Changed



3. Name: DateSliderUp
 - Touch Up Inside



8. Add New Class
 - Control Click on **CrimeMap** folder and select **New File**



- Class Name: **DataPoints**, Subclass: **NSObject**, Language: **Swift**

9. Add Code. Follow Commented Steps in Code.

Disregard errors until ALL Steps are completed in BOTH below files

- [ViewController.swift](#)
- [DataPoints.swift](#)

10. Align Objects

- Editor > Resolve Auto Layout Issues > Reset to Suggested Constraints

11. Add Icon

- User Pixlr.com to create a 1024x1024

- <https://makeappicon.com/>