






## 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:

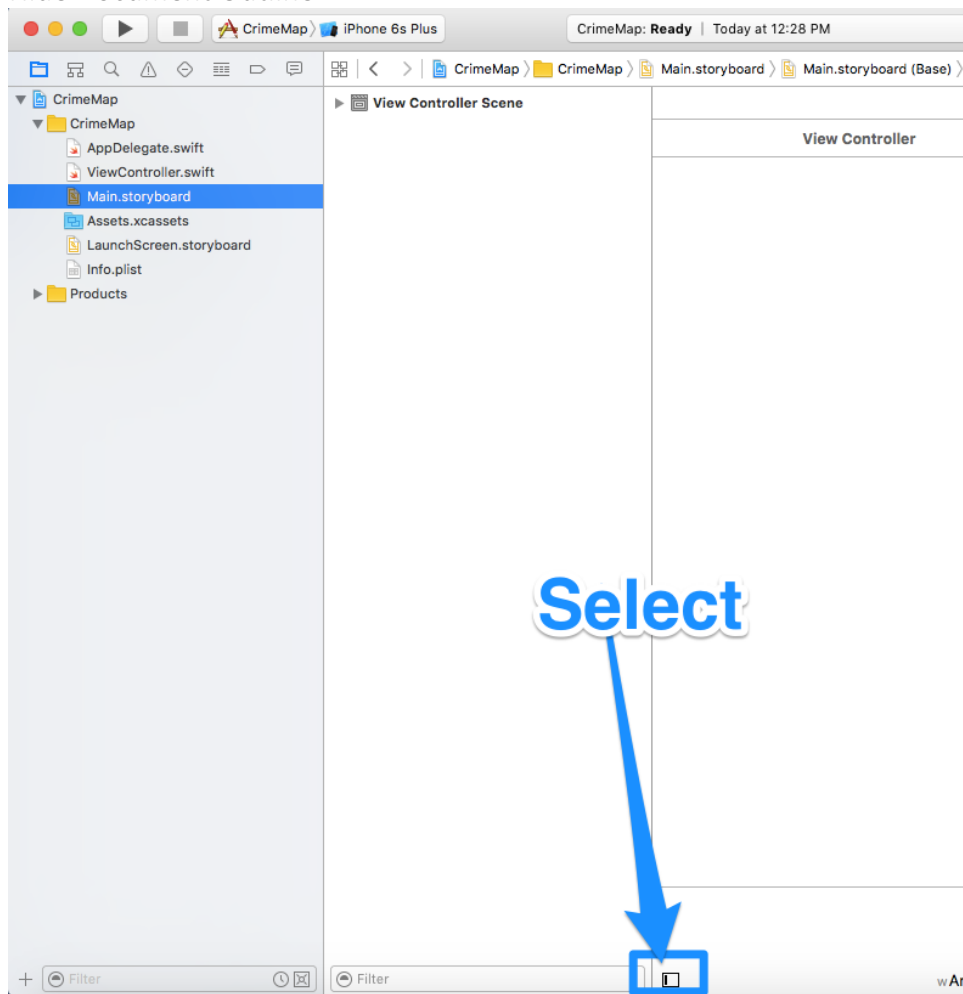
☐ Use Core Data

☐ Include Unit Tests

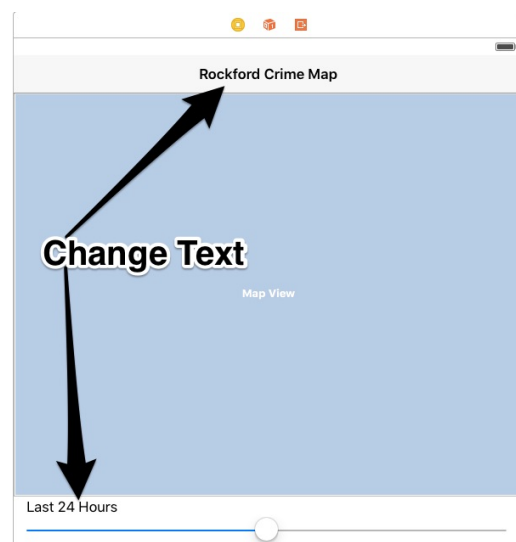
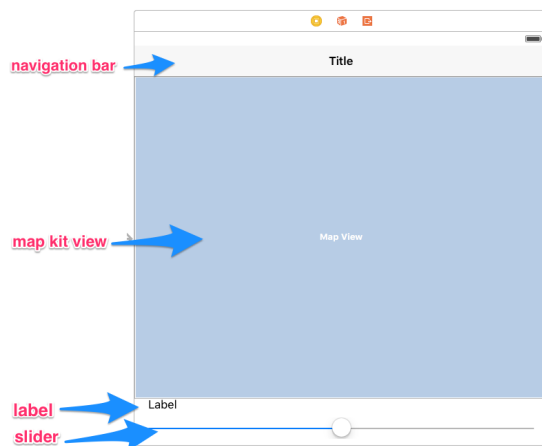
☐ Include UI Tests

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. Change **Title** to **Rockford Crime Map**
  - Map Kit View
  - Label. Change **Label** to **Last 24 Hours**
  - UISlider

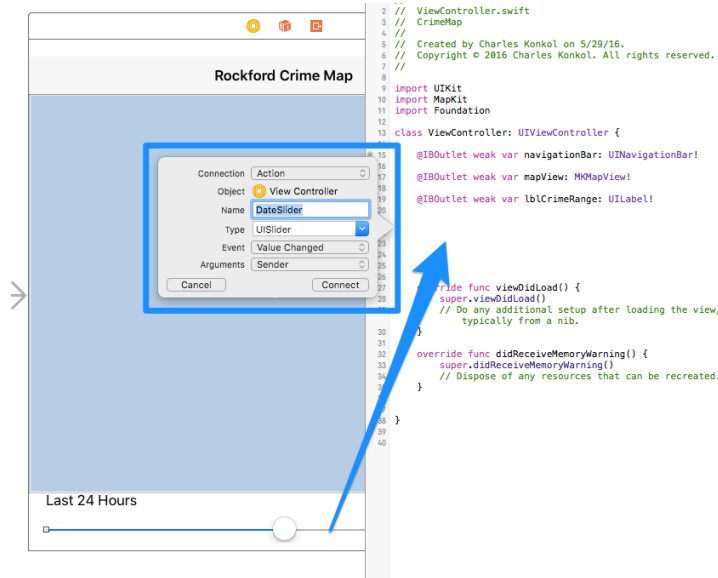


6. Click on viewcontroller.swift and add Imports to top of viewcontroller.swift  
`import MapKit`

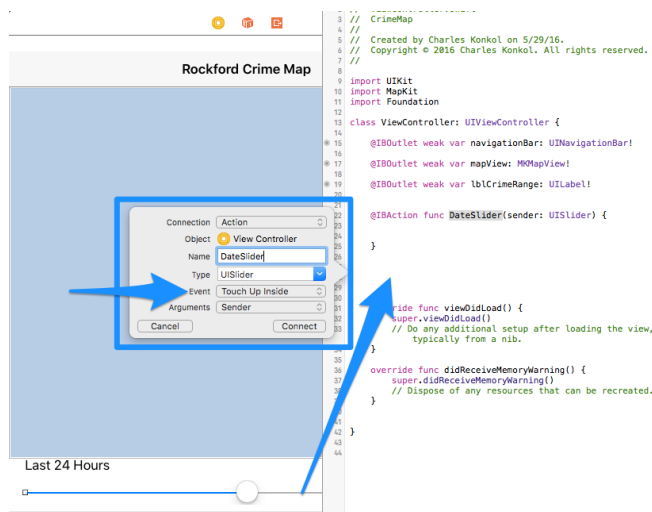
## import Foundation

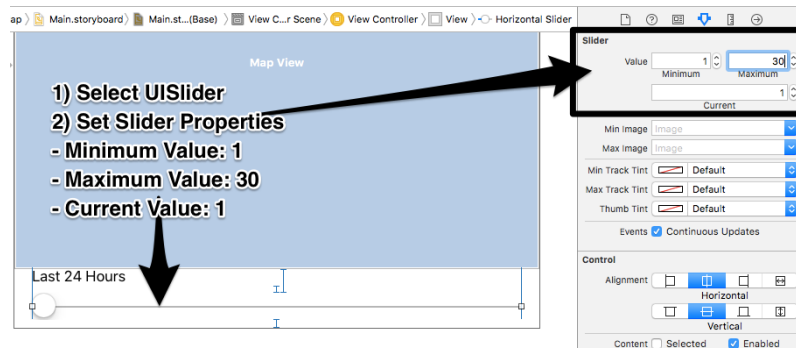
7. Click on Main.StoryBoard > Show Assistant Editor and Create Outlets & Actions (Click, Drag and Drop to Code)

- Navigation Bar
  - Name: **navigationBar**
- Map Kit View
  - Name: **mapView**
- Label
  - Name: **lblCrimeRange**
- Slider – 2 Action Events
  - Name: **DateSlider**, Type: **UISlider**, Event: **Value Changed**



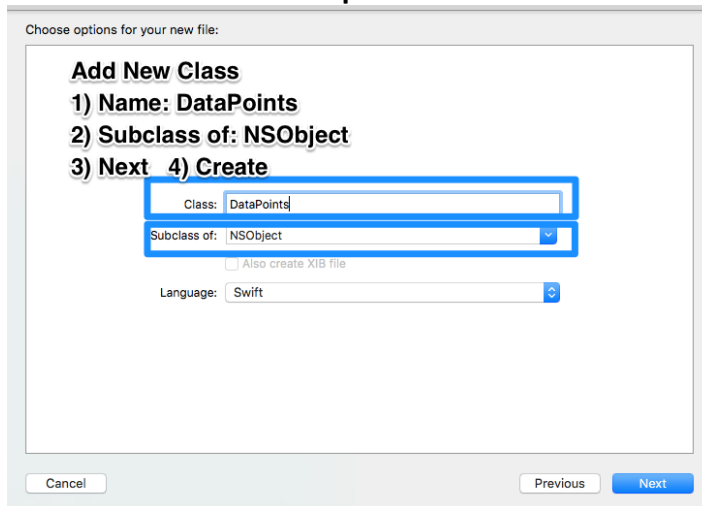
- Name: **DateSliderUp**, Type: **UISlider**, Event: **Touch Up Inside**





## 8. Add New Class

- Control Click on **CrimeMap** folder and select **New File**



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

## 9. Add Code. Follow Comment 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. Test. [Command] + R

## 12. Add Icon

- User Pixlr.com to create a 1024x1024
- <https://makeappicon.com/>