**CrimeMap**

**This app uses Open Data from Rockford City Government of crime facts in the Rockford region. This data is viewed on the Mapkit using annotations. In addition, the app allows user to use a slider object and show crimes from X days ago until current date. In addition, the user can view a list of crimes with count. Finally, users can tap the Me button and see crime within 5000 meters region.**

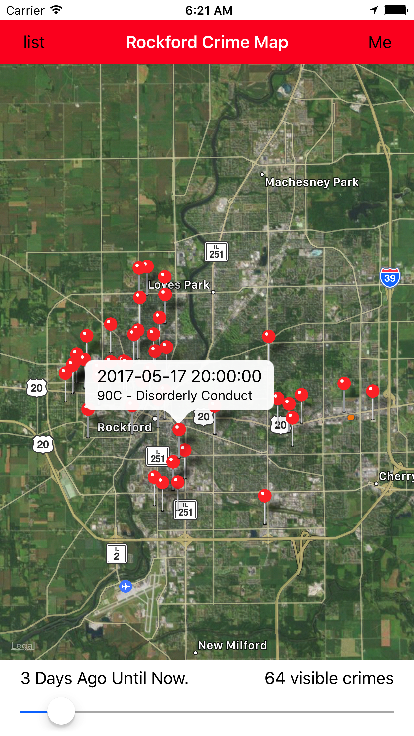
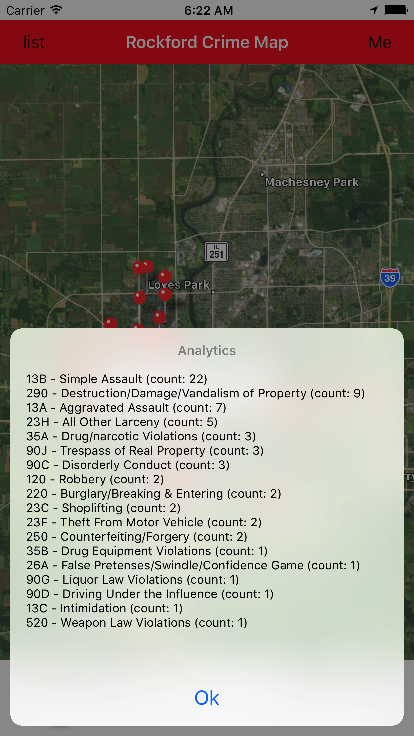
**Concepts: MapKit @ JSON Data**

[**https://github.com/ioscourse/CrimeMap**](https://github.com/ioscourse/CrimeMap)

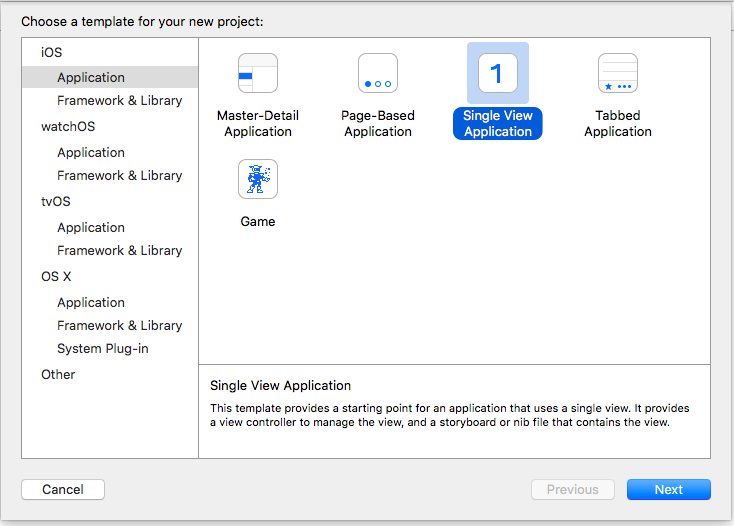
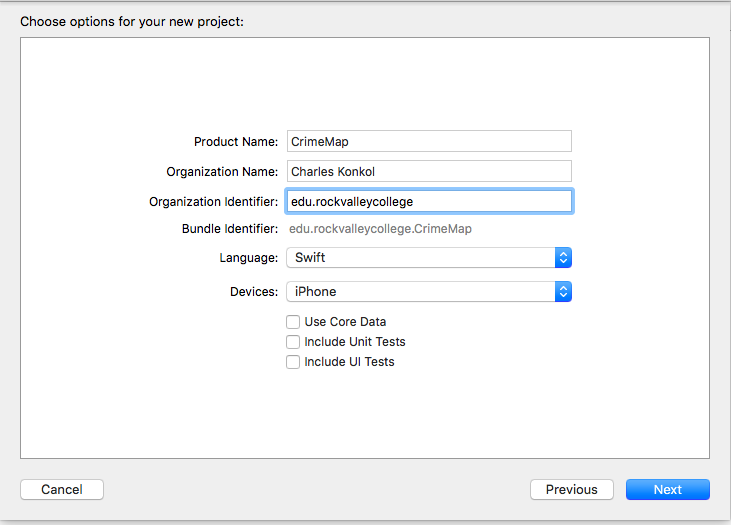
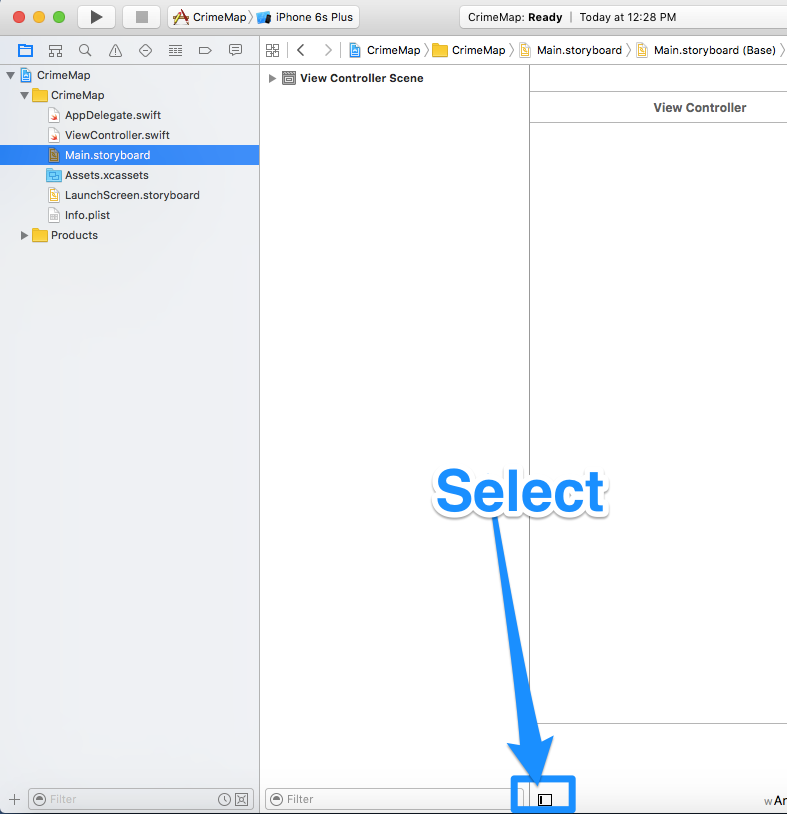
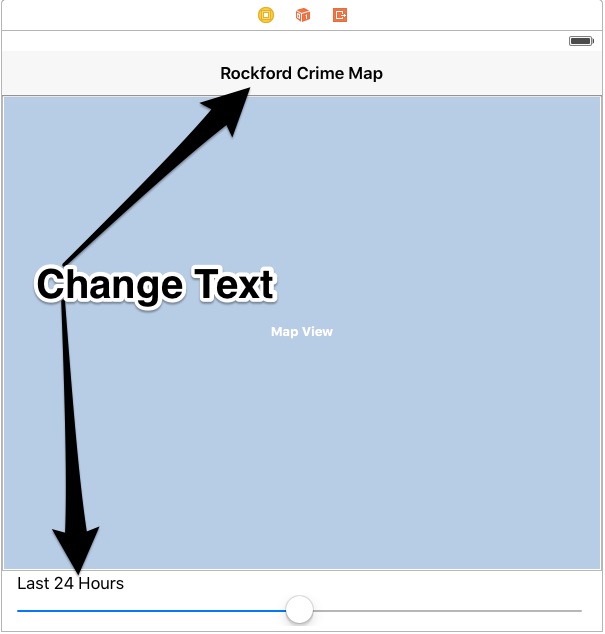
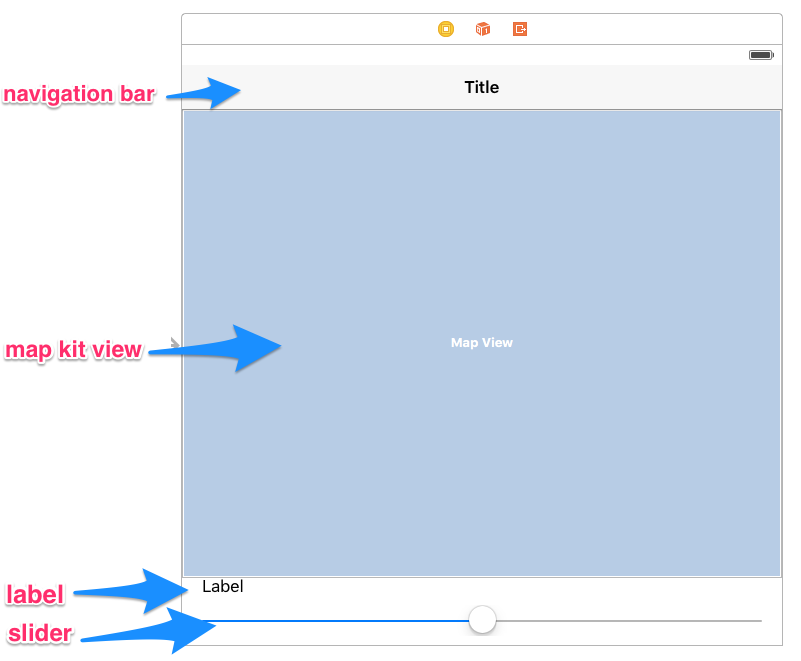
**iOSBootCamp, Week 2**

**Professor Chuck Konkol**

**Rock Valley College**

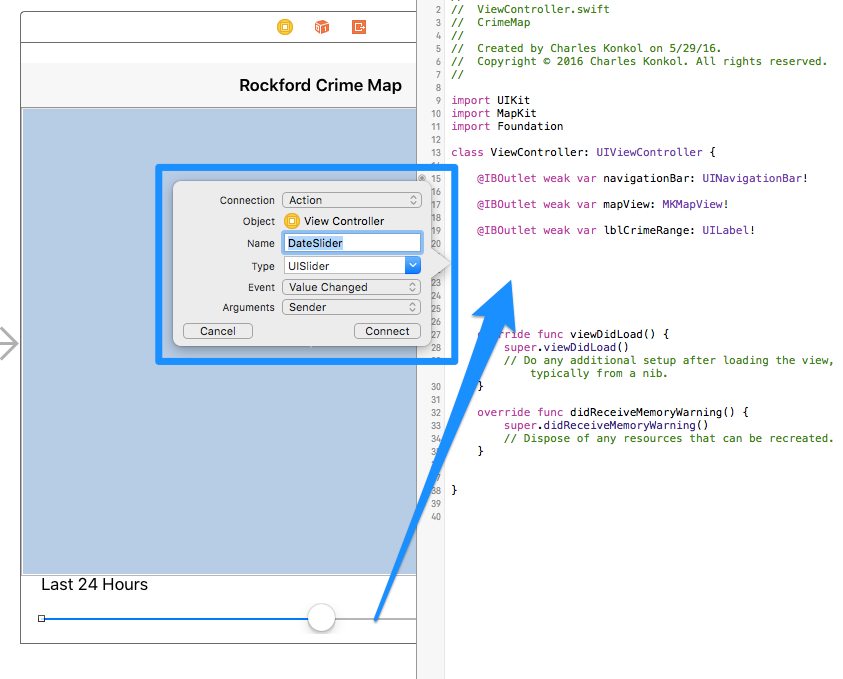
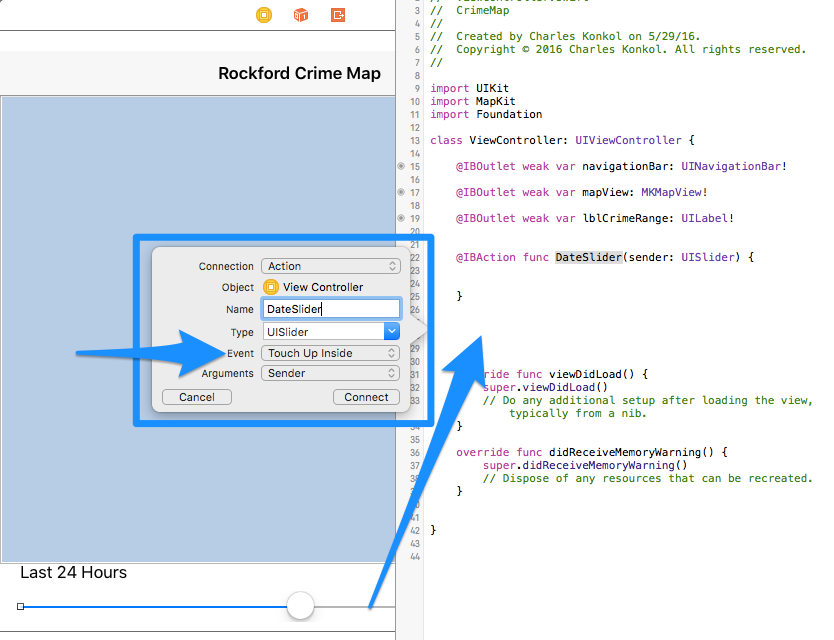
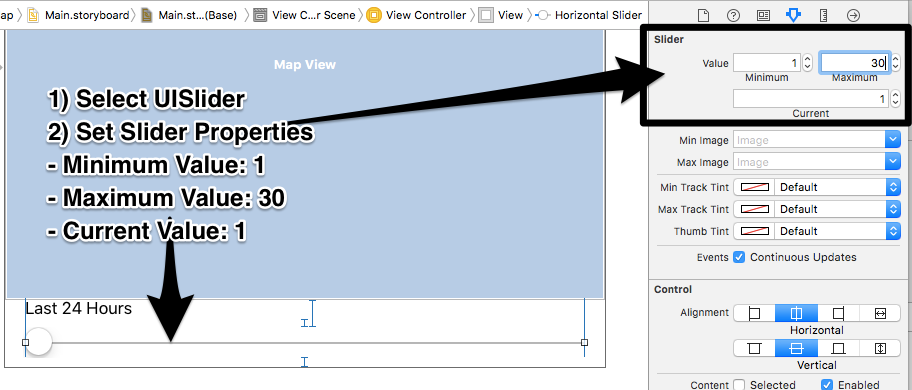
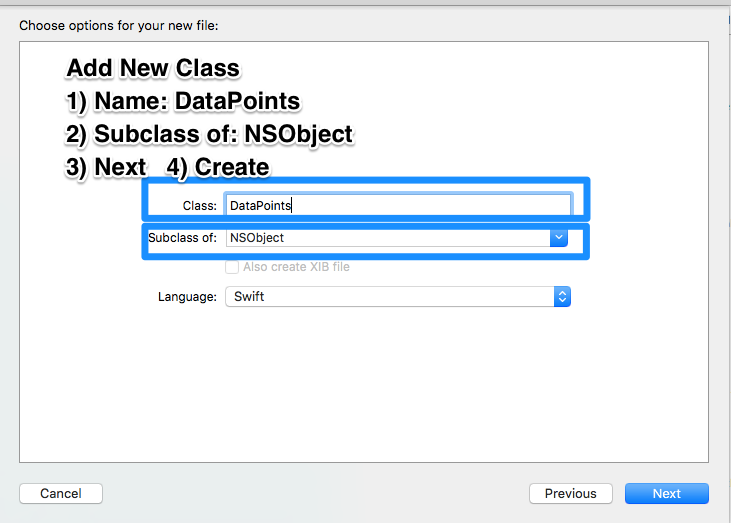
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**MapKit Tutorial -** Watch Podcast: <http://www.youtube.com/watch?v=1ak_94iqffY>

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

1. 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**   
         
        
     + 
2. Add New Class
   * Control Click on **CrimeMap** folder and select **New File**
   * ****
   * Class Name: **DataPoints,** Subclass: **NSObject**, Language: **Swift**
3. Add Code. Follow Commenst Steps in Code.   
   **Disregard errors until ALL Steps are completed in BOTH below files**
   * [ViewController.swift](https://github.com/ioscourse/CrimeMap/blob/master/ViewController.txt)
   * [DataPoints.swift](https://github.com/ioscourse/CrimeMap/blob/master/DataPoints.swift.txt)
4. Align Objects
   * Editor > Resolve Auto Layout Issues > Reset to Suggested Constraints
5. Test. [Command] + R
6. Add Icon
   * User Pixlr.com to create a 1024x1024 icon for app
     + <https://makeappicon.com/>
   * Upon download of .Zip file drag the iOS AppIcon folder to the **App Icon Source**