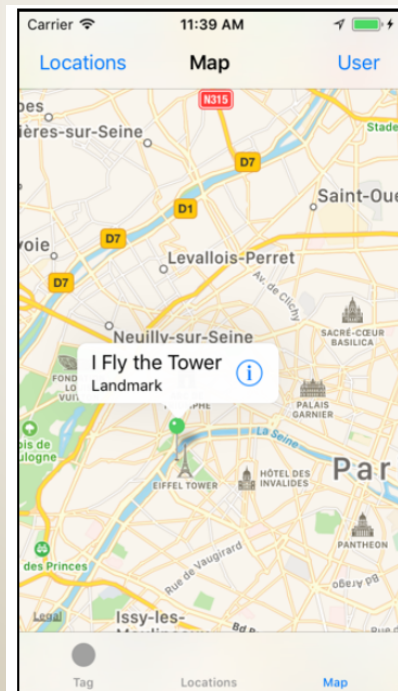


Chapter 29: Maps

Luis Varela

Things to Do



The completed Map screen

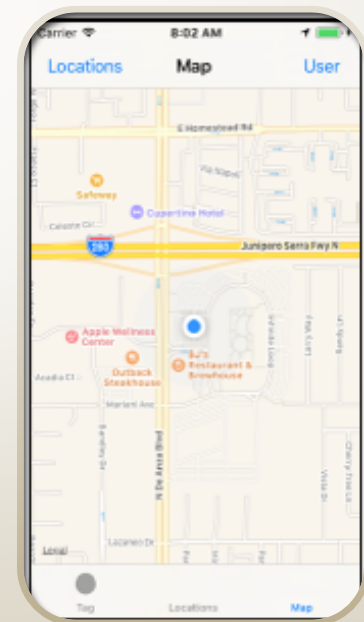
- Add a map View
- Make Your own pins

Map View

- **Add a Map View**
 - Adding a Map View
 - Auto Resize Map View
 - Enable User Location in Map View
 - Adding Buttons

Map View

- **Zoom in**
 - Adding MapViewController
 - Add function that allows a region to show user up close
 - Connect storyboard to MapViewController

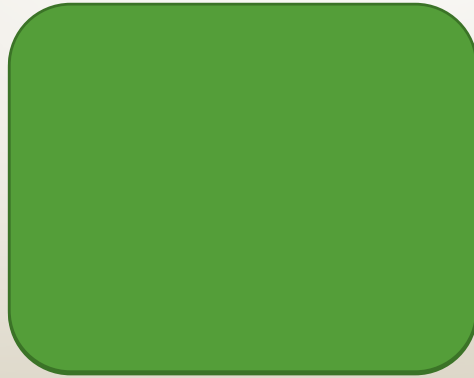
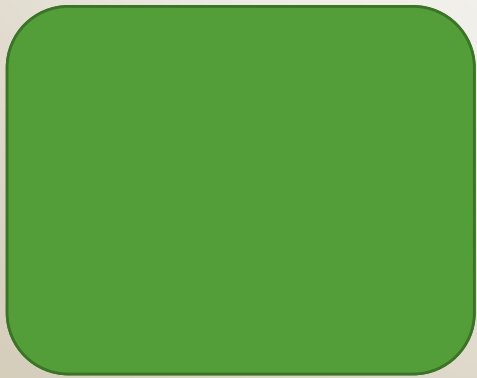


Map View

- **Show pins for locations**
 - Show all saved locations
 - Fetching saved locations to show in maps
 - Adding a Pin for each location
 - **read-only computed properties.**

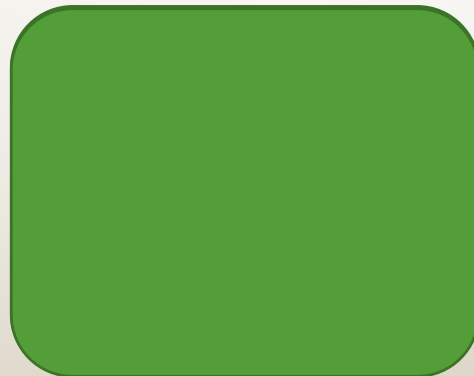
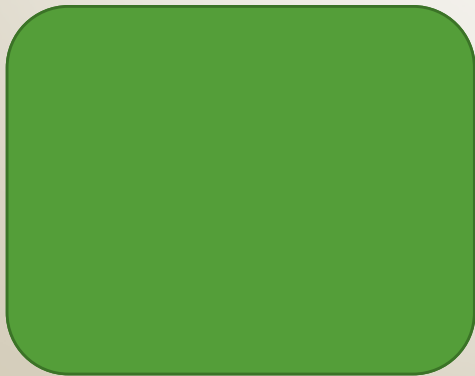
Around the U.S.

- First Round (Theme Parks)



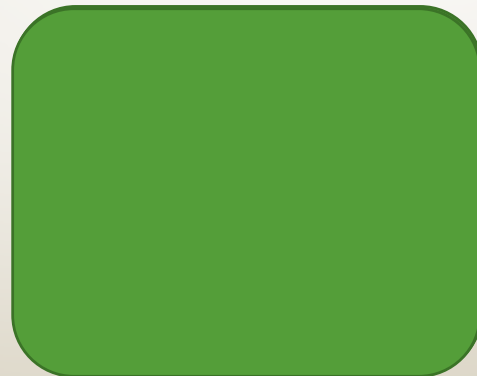
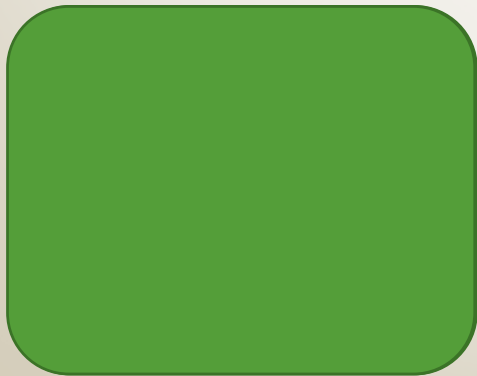
Around the U.S.

- Second Round

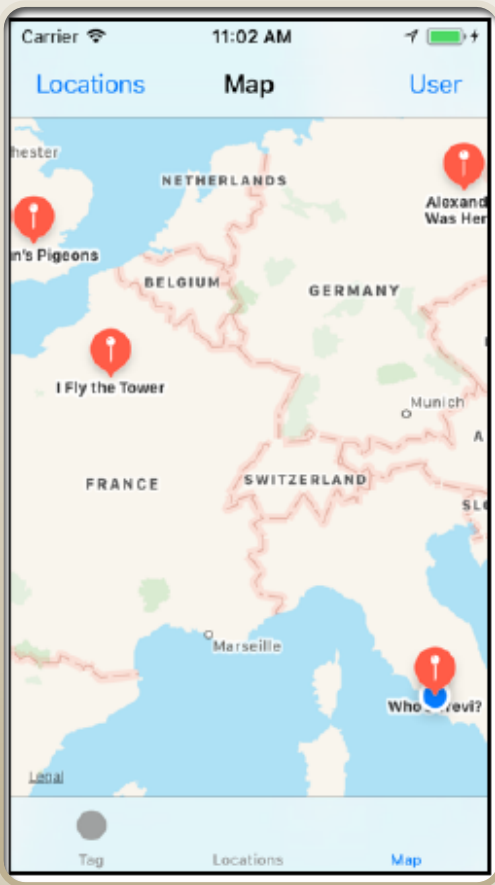


Around the U.S.

- Third Round



Map View

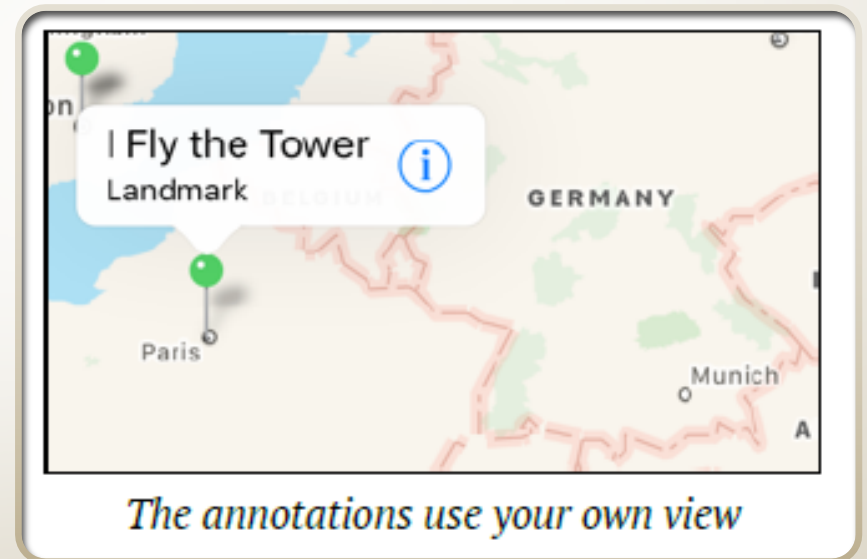


- **Show a Region**

1. If there is no annotations – (center around user)
2. If one annotation – (center around one annotation)
3. If two or more – (find a region to gather all annotations)

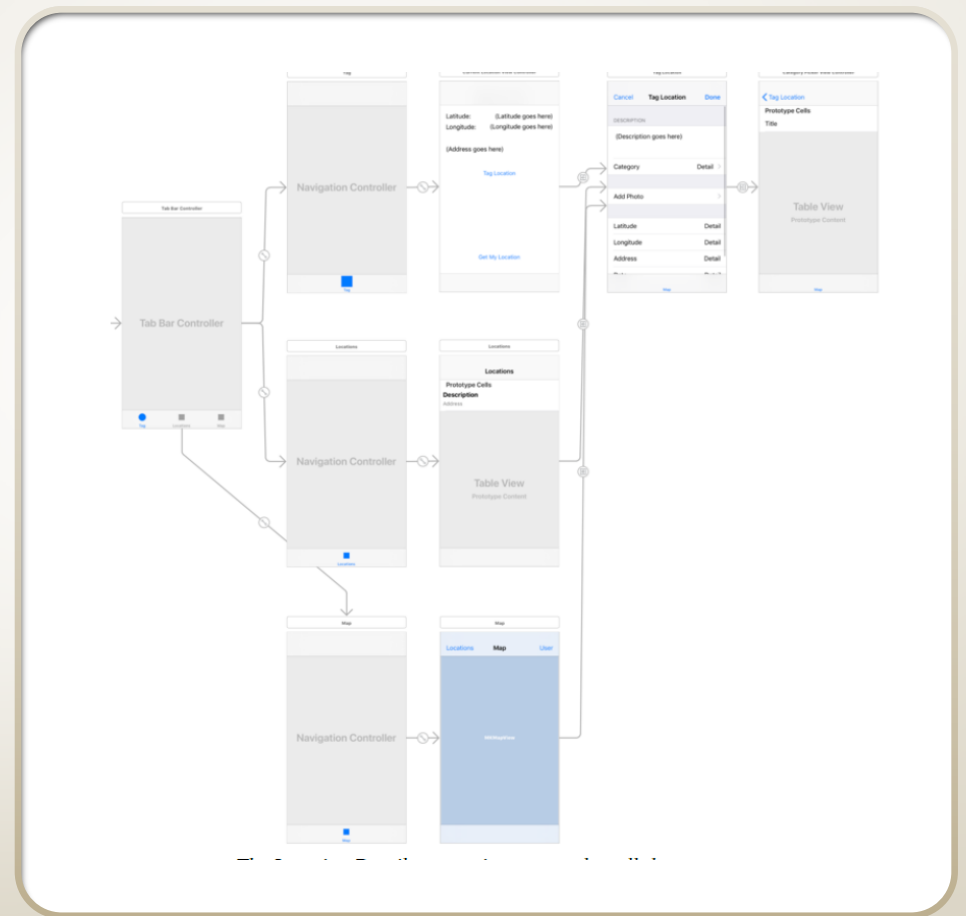
Make your own pins

- **Create Custom Annotations**
 - Look if it's a location (Guard)
 - Similar to table view cells
 - Configure properties
 - Create a UIButton per annotations
 - Make a reference for the UIButton



Make your own pins

- **Add annotation actions**
 - Making a Show Segue to tag location
 - Error (annotations callouts don't change)





Make your own pins

- **Live-updating annotations**
 - Updating using notifications

Make your own pins

- Live-updating annotations

