Assignment 4 - Sampler App
Due Oct 28 23:59

Objectives

Sample some UI components.

App description

This app will use a number of UI elements so the app will not make much sense as a single app. You will create an app with multiple scenes. You only need to support portrait view and the iPhone 8.

Initial Scene

This scene contains two labels (Name, Password), two related textfields and two buttons. The buttons have titles States and Tab. The buttons only work with the name and password each contain text with more than three characters. The labels and buttons need to be localize to have default English but also support Spanish. The States button takes you to the States scene. The Tab button takes you to the Tab Scene. This is the only scene that needs to support Spanish.

States Scene

The States scene shows in a Table view a list of 10 US states read from a plist. When the user taps on a state they go to a detailed scene which shows the name of the state, state abbreviation, the state capital and when it became a state. The user needs to be able to go back to the list of states. From the list of states they need to be able to go back to the Initial scene. The list of states is given below.

Tab Scene

The Tab scene has three tabs.

Name Tab.

This is the default tab that is displayed. It contains a text field, a label (Name) and a button, titled back. The textfield contains the name entered in the Initial scene. The user can edit the name in this view. The Back button takes the user back to the Initial scene. If the user edited the name in the Name tab the change is reflected Initial scene.

Sports Tab

The view at this tab will contain a custom picker view with two columns. The first column will contain a list of countries. When the user has selected a country then the second col-

umn displays a list of sports in that country. The list of countries and their sports are given below. When the user selects a sport an alert is shown indicating the country and sport selected

Country	Sports
India	Cricket, Chess, Badminton, Field Hockey, Football, Tennis, Gilli-danda, Golf
USA	Baseball, Football, Curling, Basketball, Soccer, Rock Climbing, Skateboarding
Taiwan	Football, Archery, Baseball, Table Tennis, Cycling, Taekwondo

Map Tab

This view contains a map view. The map is centered on San Diego and zoomed in so that El Cajon and Escondido are labeled in the map.

Grading

The assignment will be graded as follows:

Points	Item
5	Initial Scene. Enter data and two buttons work properly
20	State Scene Table View and Detailed View
10	State Data read from Plist
10	Navigation between Detailed view, Table View and Initial Scene
10	Tab bar working
10	Name sent to Name Tab, Changes sent back to Initial Scene
15	Picker in Sports Tab working correctly with Alert
10	Map view in Map tab working, centered on San Diego, zoomed in
10	Text view in Segment Tab
5	Map view shows users current location (optional)

Points	Item
15	Map view supports giving directions between two locations (optional)

What to Turn in

Create a Xcode project for the assignment. Xcode places the project in its own directory. Place the directory (and all its contents) into a zip file. This assignment we will not use blackboard to turn in assignments. We will use my older course portal (http://bismarck.sdsu.edu/CoursePortal).

Abbreviation	State	Capital	When became State
AL	Alabama	Montgomery	December 14, 1819
AK	Alaska	Juneau	January 3, 1959
AZ	Arizona	Phoenix	February 14, 1912
AR	Arkansas	Little Rock	June 15, 1836
CA	California	Sacramento	September 9, 1850
CO	Colorado	Denver	August 1, 1876
CT	Connecticut	Hartford	January 9, 1788
DE	Delaware	Dover	December 7, 1787
FL	Florida	Tallahassee	March 3, 1845
GA	Georgia	Atlanta	January 2, 1788