

Washington State University
School of Electrical Engineering and Computer Science
Spring 2019

CptS 479 Mobile Application Development

Homework 1

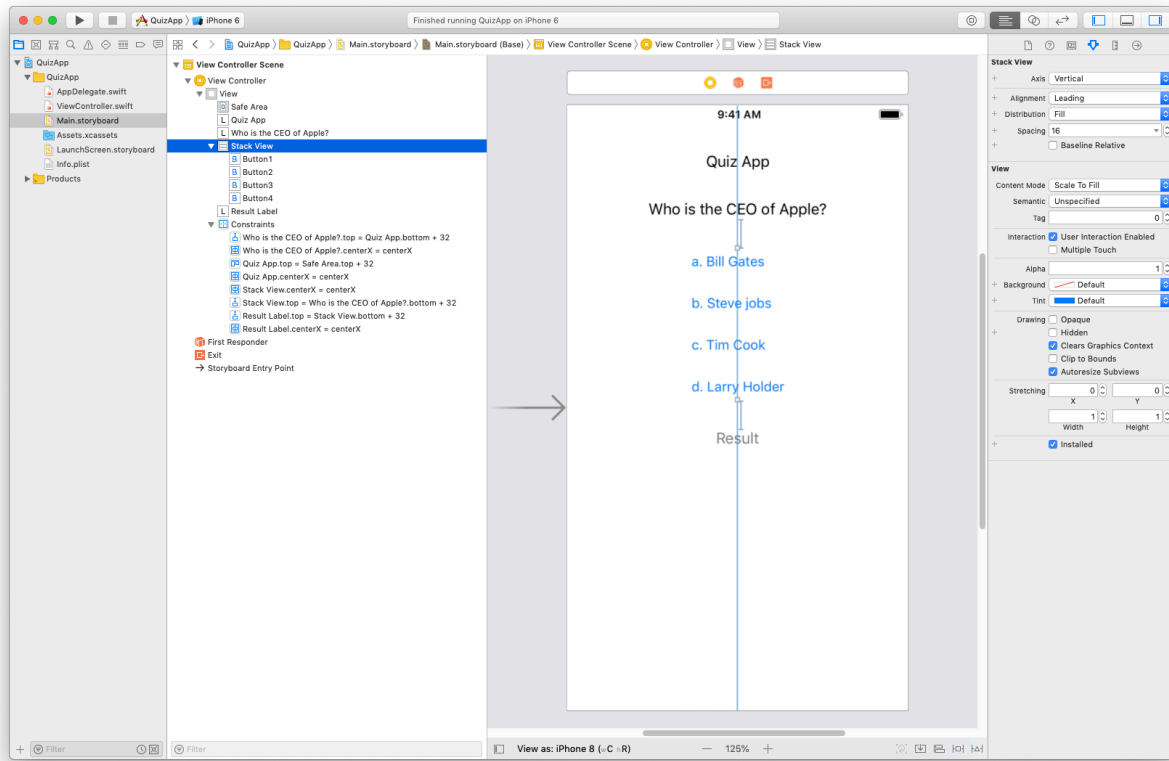
Due: January 15, 2019 (11:59pm)

General Instructions: Put the entire app directory into one zip file and submit as an attachment under Content → Homework 1 for this course on the Blackboard Learn system by the above deadline. Note that you may submit multiple times, but only the most recent entry submitted before the above deadline will be graded.

For this homework you will implement a simple app called QuizApp that displays a quiz question, possible answers, and the result of your selection. See screen shots below. Specifically,

1. In Xcode, create a New Project as an iOS Single View App called QuizApp.
2. On the StoryBoard, add a label at the top of the view with the app's name "Quiz App". Below that add a label with the quiz question. These labels should be centered horizontally and constrained to be appropriately spaced at the top of the view.
3. Below the question, add a vertical stack view to hold buttons for the 3-5 alternative answers. The button text should be left-aligned, and the stack view should be centered.
4. Centered below the alternative answers, add a label to show the result of your guess, e.g., "Correct" or "Incorrect". This label should be initially hidden.
5. Add outlets, actions, and supporting code to the View Controller so that the user can tap the buttons to guess, only the tapped button turns red, and the appropriate result is shown in the result label. The user should be able to guess multiple times.
6. Be sure that auto layout constraints are set so that the view elements are appropriately displayed regardless of device orientation.

Storyboard:



Simulator:

