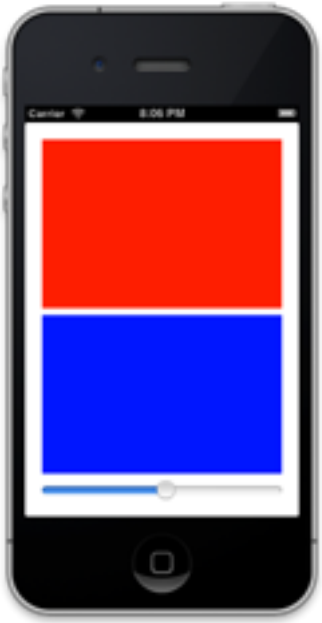
# Homework 2

The purpose of this assignment is to demonstrate your understanding of Auto Layout, constraints, the layout process, device rotation, and the interactions between them.

In order to successfully complete this assignment, you must successfully implement all of the Functional Requirements below. As with all apps that you submit for this class, you should also:

- Ensure that your app does not crash or behave in an unstable manner
- Make use of good design patterns (e.g. MVC) and structure your app accordingly
- Follow the Human Interface Guidelines when designing your app's UI
- Test your app on an actual device running the latest version of iOS

## Functional Requirements



The app should consist of a single view controller that contains three views: a red view, a blue view, and a UISlider instance. In portrait orientation, these three views should appear in a single vertical column; in landscape orientation, the red and blue views should appear side-by-side, with the slider below them. In all cases, the views should take up the entirety of the screen, while still leaving the default system margins between each view and at the edge of the screen.

The slider should control the relative sizes of the red and blue views. When its value is at 0.0, the blue view should take up the entire screen; when its value is at 1.0, the red view should take up the entire screen. At all intermediate values, the red view should take up the proportion of the screen that matches the slider's value, and the blue view should take up the remainder of the screen (leaving the default space between the red and blue views).

The app should support the portrait upside-down interface orientation.

## Submitting Your Work

To submit your work, upload a .zip file to the appropriate drop box that contains your entire Xcode project directory, including:

- Your .xcodeproj bundle and all its contents
- All your source files, including code, .xib files, and any image resources
- Any additional files that your app requires to run

Name this zip file "UW_HW2_<*UW NetID*>.zip", where <*UW NetID*> is the username assigned to you by UW. (For example, the instructor's submission would be named UW_HW2_tekl.zip.)

Your submission should compile cleanly on the first try, throwing absolutely no errors, warnings, or static analyzer problems. You may lose points if your solution does not compile cleanly.

Your submission should, once compiled, run well on an actual device running the latest version of iOS. You may choose to support past versions of iOS, but all testing will be done on the newest version available on the due date.