

Introducing

# Adaptive Layout

Hands-On Challenges

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[raywenderlich.com](http://raywenderlich.com)

# Challenge: Climate Change

You now have all the tools you need to create great adaptive layouts, so it's time to give them a go.

If you take a look at **Main.storyboard**, you'll see that there is another view controller – used to display a chart representing the climate around Lake Saiko:



This view controller is not currently adaptive, and as such looks great for regular height size classes, but less good for compact height:



Your challenge is to update the layout to make it adaptive – simple! Some useful tips:

1. Overriding the vertically compact size class is a good place to start.
2. You should treat the entire shaded view in the lower half as one component, and the chart as another.
3. Start off by uninstalling the constraints you don't require in the current size class override.
4. Then resize the views to the layout you'd like using the grab handles.
5. Create the new constraints to specify your new layout.
6. There is a flag image inside the asset catalog (**Japan-flag**) that you might like to make use of.
7. Don't forget to check the fonts as well as the layout constraints.
8. You might find the demo document useful as a refresher of what you did for the other view controller.
9. There is no correct solution to this challenge, but you can use the following image as a guide.



# Extra Credit: About Screen

If you've managed to complete everything so far in the time allotted well done! If not, don't worry about it – especially if you're new to Auto Layout.

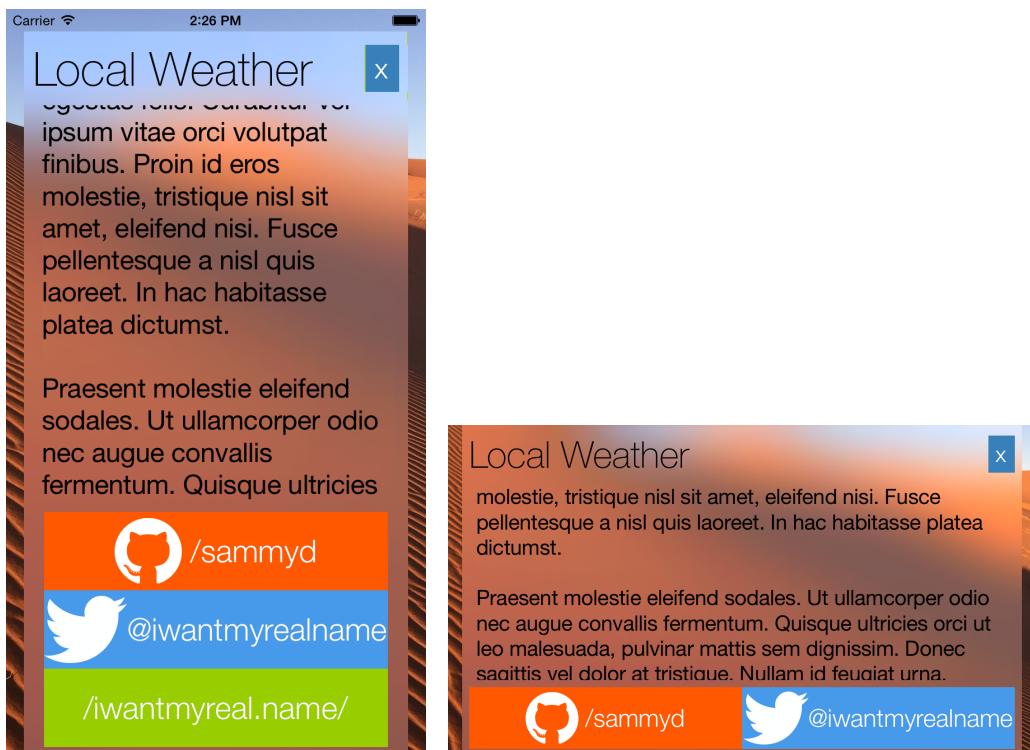
We learn best by "doing", so there's another view controller in the storyboard – once again ready for you to take the base layout and make it adaptive. This time, there will be less help – just some screenshots of how it should look on different devices.

Good luck – and feel free to pester Sam (or any of the other team members) for help during the rest of the conference.

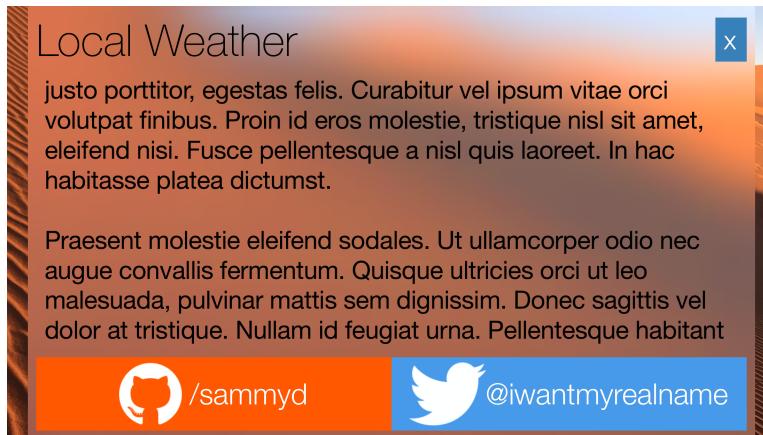
## About Screen

The About Screen contains a visual effects view, some buttons and a scroll view. Here is what it should look like on different device configurations:

### iPhone 6



## iPhone 6 Plus



## iPad

