

# WatchKit

Hands-On Challenges

# WatchKit Hands-On Challenges

Copyright © 2014 Razeware LLC.

All rights reserved. No part of this book or corresponding materials (such as text, images, or source code) may be reproduced or distributed by any means without prior written permission of the copyright owner.

This book and all corresponding materials (such as source code) are provided on an "as is" basis, without warranty of any kind, express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose, and noninfringement. In no event shall the authors or copyright holders be liable for any claim, damages or other liability, whether in action of contract, tort or otherwise, arising from, out of or in connection with the software or the use or other dealings in the software.

All trademarks and registered trademarks appearing in this book are the property of their respective owners.



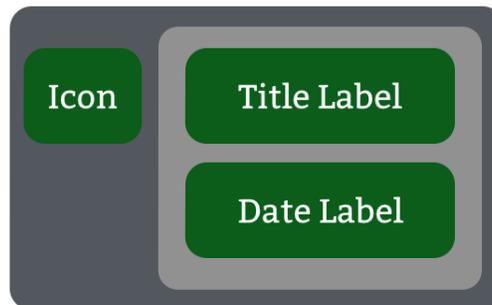
# Challenge E: Table Row Layout

The current table row layout has two text labels for the post title and date. In this challenge, you'll change the format to add an icon to go along with each post.

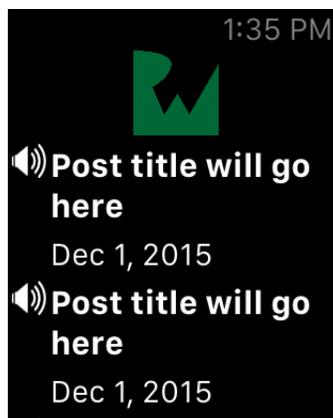
The current layout has a group with two labels inside:



Your challenge is to add an icon alongside the two labels. Our suggested method for this challenge is to keep the existing elements but put them in a nested group:



There are a set of 16x16 point icons in the asset catalog already for you to test with. The final row should look something like this:

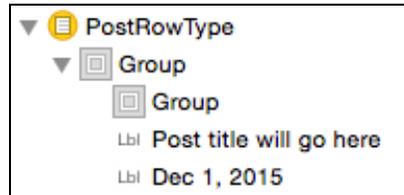


Read on for the walkthrough!



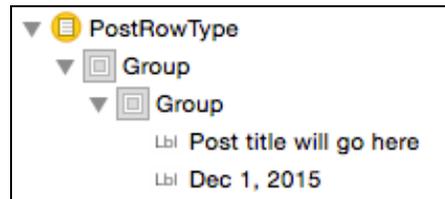
## Nested group

The first step is to add a new group to the interface controller. Drag a group from the object library and put it inside the existing group. It might be easier to drag the group into the document outline to make sure it's going to the correct place.



We'll call these the inner group and outer group from now on.

Select the inner group and set its layout to **Vertical** in the Attributes inspector. Then, select the two labels and drag them into the inner group. Again, this will be easiest to do from the document outline.



The outer group needs to have the image and the labels (in the inner group) side by side. Select the outer group and set its layout to **Horizontal** in the Attributes inspector.

## Image

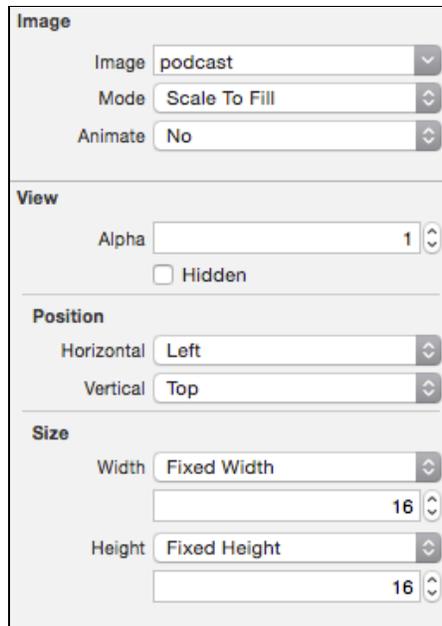
Now that the groups are set up, it's time to add the image! Drag an image from the object library to the outer group. It should be a sibling of the inner group.



Since the icon images have a known size, change the image width and height to fixed sizes of 16 points each.

Also, set the image to one of the samples from the asset catalog: you can pick podcast, written, video, or announcement.



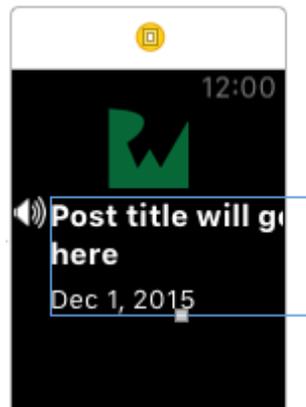


Eventually, you'll need to change this image to match the post category. That means you'll need an outlet to access the image element from code.

Open the assistant editor and open **PostRowController.swift** in the assistant pane. Control-drag from the image to the class, and add a new outlet called **image**.

## Sizing

You're almost done, but notice what's happened to the sizing of the inner group:



The image has pushed part of the group and labels inside off screen!

By default, the inner group size is set to 100% of the width of the container. However, the image is now taking up some of that space.



Select the inner group, and set its width adjustment to **-16** to accommodate the width of the image.

Size	
Width	Relative to Container
	1
Adjustment	-16
Height	Size to Fit Content

You should see the inner group is now within the bounds of the outer group.  
Build and run, and check out your work!

