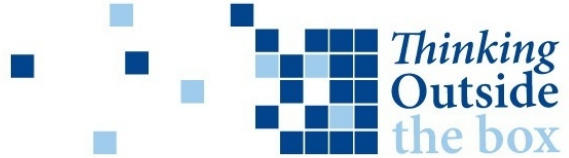# CIS 470 – iOS Programming
HW 15 – Panama Mania

For this assignment, you are being challenged to use Interface Builder to generate a rendition of the Panamanian flag. The rendition will not be perfect because the aspect ratio of the device is not right. Still, the rendition should look reasonable in both portrait and landscape mode and on both the iPad and iPhone screens. Figure 1 is the correctly proportioned flag of Panama.

Figure 1: Correctly proportioned flag of Panama.

Figure 2 is a rendition of the flag where the aspect ratio of the stars is not preserved. This rendition gets a few things right:

1) The red and blue regions meet at a single point in the middle in both landscape and portrait mode
2) The stars are centered in their respective white regions in both views
3) The flag takes up the entire screen in both views

You might want to start by trying to duplicate this before moving on to the rendition shown in Figure 3. There, the aspect ratio of the stars is preserved even as the red, white and blue regions of the flag are stretched.

You can create the different color regions of the flag using empty "View" controls with appropriately set background colors. Finally, create a set of 6 pictures of the flag for use as your program's icons. Download or create a square picture of flag for this purpose.

Figure 2: iPhone portrait and landscape rendition of the Panamanian flag. Aspect ratio of stars not preserved.
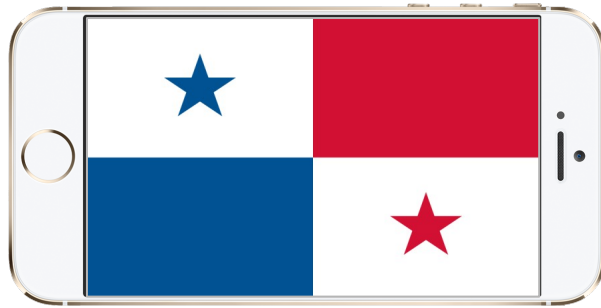

Figure 3: iPhone portrait and landscape rendition of the Panamanian flag with aspect ratio of stars preserved.