General Instructions: Put the entire app directory into one zip file and submit as an attachment under Content → Homework 3 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 turn your Food App into an automated slide show of your favorite foods. You can start with your HW2 solution or create a new project. See the screenshots below. Specifically,

1. Retain all the elements of HW2 except the “Next” button.
2. At the bottom of the view, add two buttons: “Start” in the lower left, and “Stop” in the lower right.
3. Above the buttons should be a delay label showing “Delay: Ns”, where $N$ is the current setting of the delay in seconds.
4. To the right of the delay label (and aligned vertically) should be a slider whose range is 1 to 10, and the default value is 5. The slider’s width should not change as you move the slider. This can be accomplished by setting the width of the delay label to ≥ a large enough fixed value (e.g., 100) and constraining the leading edge of the slider to be a fixed distance from the trailing edge of the delay label.
5. Initially, the view shows your #1 favorite food, the delay is set to 5 seconds (this should correspond to the slider being halfway), the “Start” button is enabled, the “Stop” button is disabled, and the slide show is not running.
6. Tapping the “Start” button should disable the “Start” button, enable the “Stop” button, and start the slide show, which advances to the next favorite food after the delay seconds have passed. As in HW2, the “My #…” label, image, and food label should change appropriately, and after the last favorite food, the slide show should cycle back to the #1 favorite food.
7. Tapping the “Stop” button should disable the “Stop” button, enable the “Start” button, and stop the slide show. The slide show should restart where it left off.
8. At any time, whether the slide show is running or not, the user should be able to change the delay. If the slide show is running, then any change to the delay should have an immediate effect on the speed of the slide show.
9. Be sure that auto layout constraints are set so that the view elements are appropriately displayed (i.e., no overlap, occlusion, or cutoff at edges) regardless of device orientation.
StoryBoard:

Simulator: