



Gloria Miao
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Walkthrough:

See the walkthrough video here:

<https://youtu.be/1z2O3Rzlm-g>



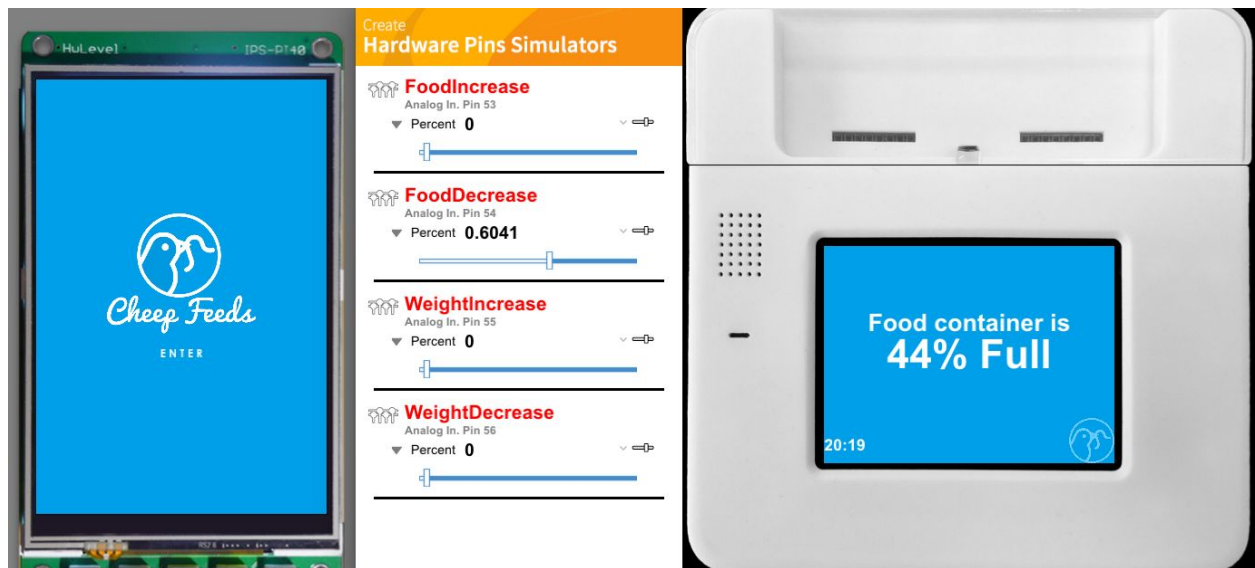
This is the walkthrough guide for my app called Cheep Feeds - a pet care app that assists bird owners in terms of feeding and managing the weight of their birds. To begin, load both the device.app and companion.app where the device code is shown on the Kinoma Element simulator and the companion app code is shown on the iap140. Once you have loaded both, you should be able to see what is shown in the screenshot.



Now, we need to set all our hardware pins to zero because anything other than zero will stimulate changes to the device and companion app.



The first pin called FoodIncrease simulates the amount of food in the food container by increasing the food container fullness when the pin is something other than 0. On the device, you should be able to see the food container fullness go up in real time.



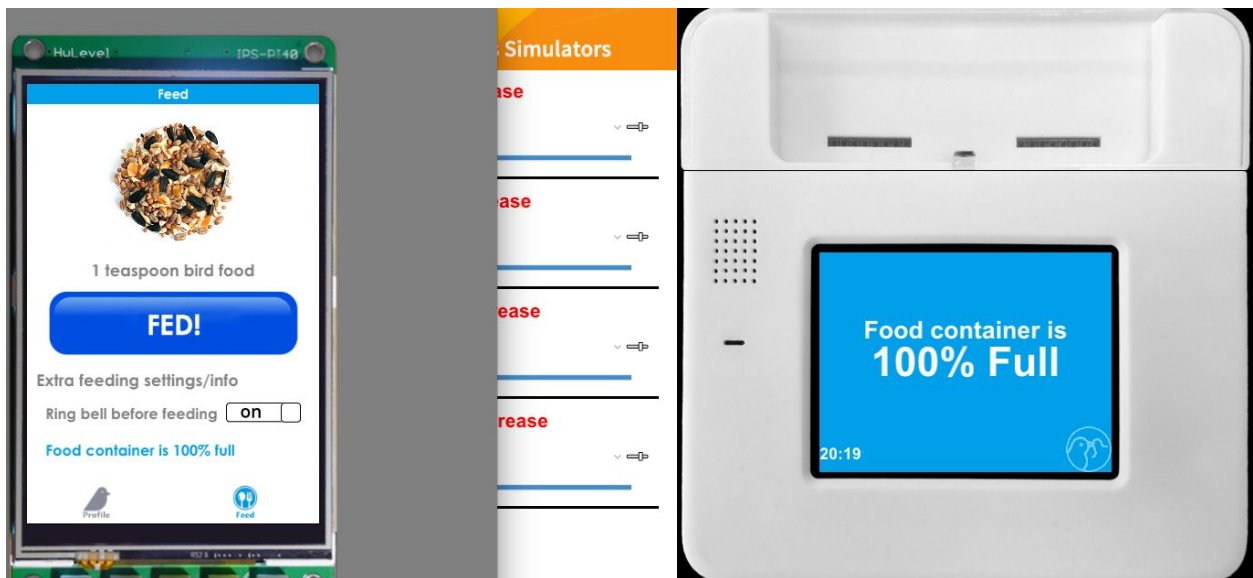
Likewise, turning up FoodDecrease will decrease that amount.



Now you can click 'ENTER' then → Feed at the bottom of the companion app. This takes you to the feeding page where you can feed your bird by clicking the 'FEED NOW' button and even opt-in or out of having your device ring a bell before food is dispensed. On the bottom, you can also see the amount of food that is in the food container currently which matches what is displayed on the device. Again, you can change that amount by turning up one of the first two pins. Once changes have been made, refresh the feed page by clicking the feed icon at the bottom of the companion app.



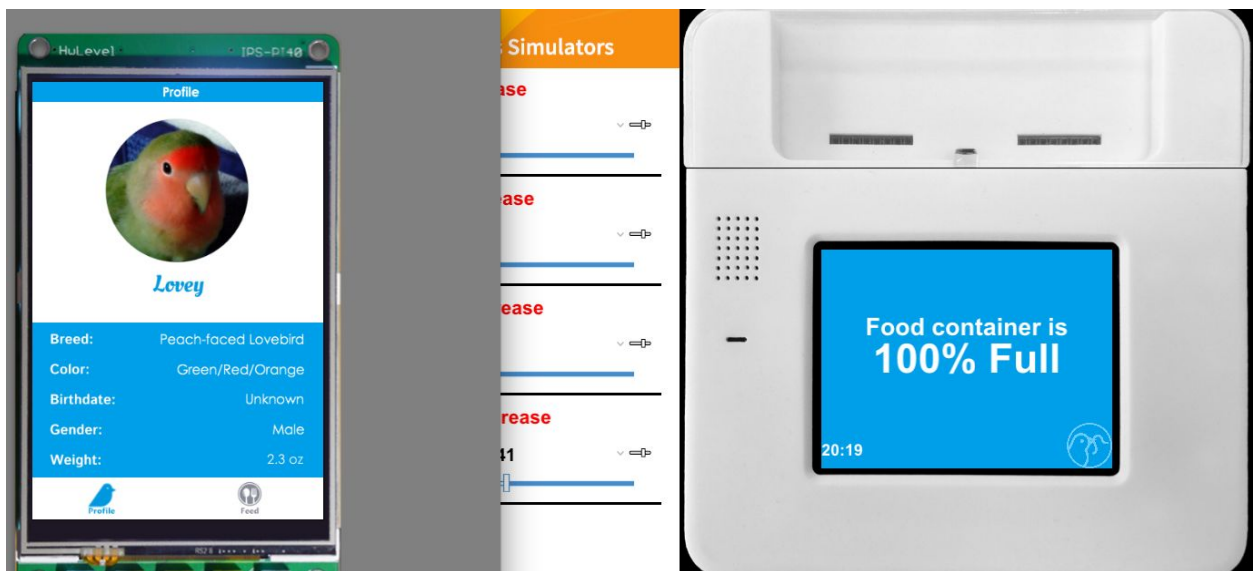
To feed your pets, click “FEED NOW” and this button is only available if the food container is not already 100% full (we don’t want to overflow the container now, do we?). After clicking the button, a bell will ring from the device (if the ring bell option is toggled on) and a few seconds later, your device should say that the food container is 100% full.



Your feed page should also say that your food container is 100% full (refresh the page to see that) and you will now notice that you can’t feed your pets anymore.



Now, you can go back to the profile page by clicking the left icon at the bottom of the companion app. This page shows the profile information about your pet, Lovey, who is a male Peach-faced Lovebird. Here you can see the weight of your pet amongst other info. However, the weight of the pet is being tracked by your device. To simulate pet weight gain, turn up the third pin on your device that reads, WeightIncrease. Refresh the profile page on your companion app and see that your pet has gained a couple tenths of an ounce.



Likewise, you can turn up the fourth pin, WeightDecrease, and refresh the profile page again and see that your pet has lost some weight!

That concludes this walkthrough.