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## Video Doorbell Weekly Report 3/18/2020

Last week we tinkered with the video feed and got the dimensions to look good from the phone as they'll really only use it through the app.

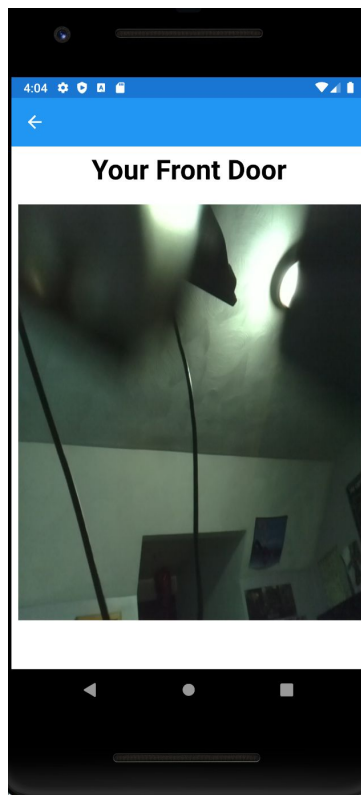


Figure 1: Front Door Live Feed Page

Some more styling will be done to make it look nicer once the rest of the functions are set up.

We then began with the voice feed. The live video will be displayed always and the voice feed will start when a button is pressed. We are using darkice and icecast to take in the audio from the pi and send it to the page the live feed is on. The guest will press the button which will send

a notification to the user that there is someone there and this will activate the voice feed from the pi. This is realized in the python code. When the button is pressed the python code makes a subprocess call that activates darkice to start sending the feed to the same page as the live feed.

### This Week Coming

This week we plan to finish up the voice feed from the pi to the app. Once this is done we plan to start the voice feed from the app to the doorbell when the user accepts the call. Once this is done we can begin refining the app and we should have everything for our user manual. Jesse will be working on the user manual with what we have until then so we should have some of the user manual to show off.

### Contributions

Brittany Marietta - Video live feed, Voice Live feed, Weekly Report

Michael Cheng - Research for audio portion of project