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Project Checklist

Commitment:
- ❏ Nexys receives image from Kinect (should display on screen so you can see that the image was received)
- ❏ Nexys binarizes image
- ❏ Nexys detects blobs in image (should display this on screen so you can see the blob)
- ❏ Nexys sends coordinate of blob to Teensy (should print to serial so you can look at it)
- ❏ Teensy performs mouse click at coordinate (you should be able to tell that the place where you touched was clicked on computer)
- ❏ All the above works on a small projected space with calibration of the area.

Goal:
- ❏ Nexys reduces noise in images (should display noisy and non-noisy version on screen depending on a switch so you can compare them)
- ❏ Nexys can detect scrolling motions and send to Teensy (should print to serial so you can look at them)
- ❏ Teensy performs mouse scroll (you should be able to move hand up and down and see computer scroll)

Stretch Goal:
- ❏ Nexys can detect multi-touch zooming in and out motions
- ❏ Teensy performs zoom actions (you should be able to pinch with your fingers and have the computer zoom out or in)
- ❏ All the above works on a normal sized far away projected image and auto-calibrates.