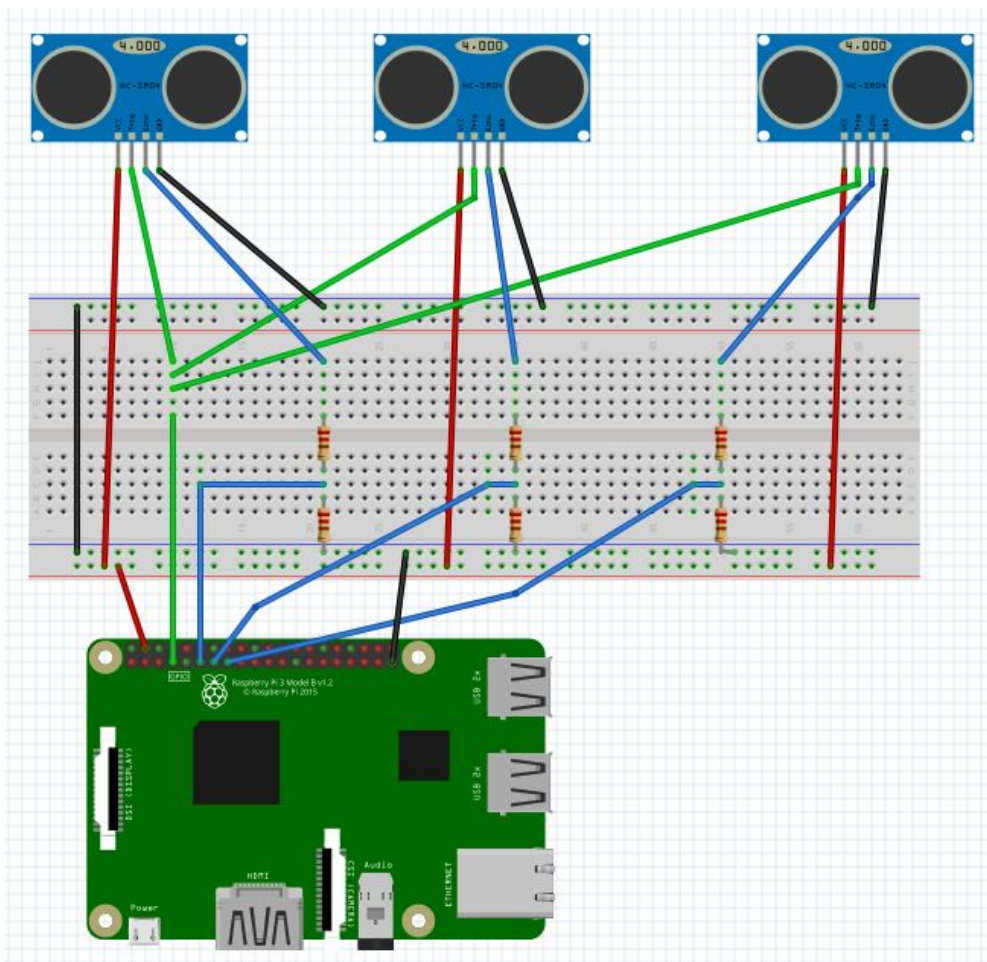Week 8 Team Status

- What are the most significant risks that could jeopardize the success of the project? How are these risks being managed? What contingency plans are ready?

  The most significant risk right now is getting the raspberry pi to talk to the Arudino and integrating both programs to make sure the robot acts as we intend. This risk is being managed by trying to conduct the integration as soon as possible so that we can have time to debug and test before the demo.

- Were any changes made to the existing design of the system (requirements, block diagram, system spec, etc)? Why was this change necessary, what costs does the change incur, and how will these costs be mitigated going forward?

● Provide an updated schedule if changes have occurred.

03/18	03/25	04/01	04/08	04/15	04/22
T25. Set up raspberry pi + wrote object detection code	T26. Re-setup raspberry pi + wrote code for demo + tested all components	T27. Write framework for empty tray(T21) + Try to make the obj detection faster(T26)	T28. Test empty tray (T15, T27)	Slack	
T9. Assemble circuit components for boards and sensors (T6)		T30. Prep Arduino codes for integration, write common functions	T11. Communication between arduino and raspberry pi (T9)	Slack	
T10. Drive motors with arduino and motor shield	T10. Program motors for basic driving (T7, T8)		T16. Test thermal detection and navigation (T12, T24)		
		T12. Test power components (T4, T6) Continue T9	T9.5. Set up sensor circuits on robot frame (T9)	T17. Enable speakers for music (T9) T18. Enable "kill switch" (T9)	
	T30. Build mounts for sensors				
	T14. Configure load cell wiring (T1-T13)			T15. Build tray for food (T14)	