SCHEDULE		
Week	**MILESTONE DUE**	**PARTY RESPONSIBLE**
5	Searching for length detection algorithm and transfer the bounding box	Xilin Gao, Zixiang Zhou, Emily Ferguson
6	Calibrate the Intel RealSense Camera	Xilin Gao
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6	Label fish images for new fish length detection technique	Emily Ferguson
7	Perform RGB and depth image alignment & Length Detection implementation	Xilin Gao
7	Search for noise filtering algorithm to use on underwater images	Zixiang Zhou
7	Search for noise filtering algorithm to use on images with moderate noise	Emily Ferguson
Week 7	**Deliverable**: Length detection algorithm succeeds on air images with minimal noise	Xilin Gao, Zixiang Zhou, Emily Ferguson
8	Testing the algorithms for length detection and underwater noise filtering	Xilin Gao
8	Search for different noise filtering algorithms and perform tests.	Zixiang Zhou
8	Test the noise filtration on noisier images	Emily Ferguson
9	Implement the length detection algorithm with underwater scenarios (more noise)	Xilin Gao
9	Combine the noise filtering with the length detection algorithm. Perform more training and testing.	Zixiang Zhou
9	Test the length detection algorithm on underwater images given the noise filtration	Emily Ferguson
10	Combine noise filtering with length detection to get better results	Xilin Gao
10	Generate the final result of length detection after noise filtering on underwater images	Zixiang Zhou
10	Clean up the final algorithm and try the noise filtration and length detection on images with a lot of noise and underwater images if time allows	Emily Ferguson
10	**Deliverable**: Length detection algorithm succeeds on underwater images	Xilin Gao, Zixiang Zhou, Emily Ferguson
10	Maintain the data structure and code cleaness. Prepare the final report and final presentation	Xilin Gao, Zixiang Zhou, Emily Ferguson