

METR 4202 Sensing Lab Demonstration Assessment

Team №		Team Name:		Date:	8 / Oct / 2014
Member 1		Member 2		Member 3	
Scene	Levels	Tasks	Shots	Total	
 The First Customer	The Babychino	<input type="checkbox"/> Return the cup origin in pixel space (as clearly displayed on an image)	½		
	Basic Level	<input type="checkbox"/> Identify the cup type (small, medium, or large) <input type="checkbox"/> Metric range	1		
	Intermediate Level	<input type="checkbox"/> + 3D metric location	2		
	Advanced Level	<input type="checkbox"/> + 3D metric location (with high accuracy and precision) <input type="checkbox"/> + Fill level (empty or full) <input type="checkbox"/> Potentially under low light	3		
	Comments				
 The Lunch Hour	Basic Level	<input type="checkbox"/> Identify the cup types <input type="checkbox"/> 3D metric locations of the majority of fluid receptacles [All cups are on the same plane (which may or may not be the plane of the origin frame)]	1		
	Intermediate Level	<input type="checkbox"/> + Accurate fill level determination <input type="checkbox"/> + Variations in placement height (i.e., cups might be on different planes)	2		
	Advanced Level	<input type="checkbox"/> + Occluded cups <input type="checkbox"/> + Shadowing (or other lighting variations) <input type="checkbox"/> Robust performance?	4		
	Comments				
 Open Source	URL				
	Comments				

Scene	Levels	Tasks	Shots	Total
 The Happy Hour	Basic Level	<input type="checkbox"/> Identify the 3D cup location <input type="checkbox"/> 2D pixel glass location. [For the glass there might be (small) errors in localization] <input type="checkbox"/> Cups and glasses might at arbitrary in placement heights?	1	
	Intermediate Level	<input type="checkbox"/> + Accurate fill level determination (of both cups and glasses) <input type="checkbox"/> Occlusion	2	
	Advanced Level	<input type="checkbox"/> + Accurate 3D metric localization of both cups and glasses <input type="checkbox"/> Robust performance	4	
	Comments			
 Clean-up	Basic Level	<input type="checkbox"/> Determine the 3D metric location <input type="checkbox"/> Orientation of cups	1	
	Intermediate Level	<input type="checkbox"/> + 2D (pixel) location of the glass(es) <input type="checkbox"/> + Accurate fill level determination [including half-full for glasses]	2	
	Advanced Level	<input type="checkbox"/> + Stacked cups <input type="checkbox"/> + Metric position and orientation of all cups <input type="checkbox"/> At the end of the day, anything goes!	4	
	Comments			
 Comments				
Total Mark:				