

Quest Rubric No: 5		15	
Objective criteria (0/1, 1=met)	Rating	Max	Comments
Controls steering to maintain center of course +/- 25cm for entire length	1	1	Didn't see evidence with such a short video in the demo
Uses PID for speed control holding a fixed speed setpoint after startup and before slowdown [0.1-0.4 m/s]	1	1	Hard to tell in the video
Stops within 20 cm of end without collision	1	1	
Start and stop instructions issued wirelessly from phone, laptop or ESP)	1	1	Web page shown but not actually controlling the car in the video
Measures wheel speed or distance	1	1	
Uses alpha display to show current distance or speed	1	1	
Successfully traverses A-B in one go, no hits or nudges	1	1	Yes for a very short run
Total objective criteria		7	7
Qualitative criteria	Rating	Max	Comments
Quality of solution	3	5	Some parts were not validated in the demo
Quality of report.md including use of graphics	3	3	
Quality of code reporting	3	3	
Quality of video presentation	3	3	
Total qualitative criteria		12	14
Quant Weight (75)	75	75	
Qual Weight (25)	21	25	
Total Score	96	100	
Rank (1-5)	2	5	
Comments			
Nice presentation. Works well. Longer video or additional runs would give confidence to the assessment.			