

WM-3 - Intelligent Robot Arm

Software Test Plan and Report

CS 4850 – Section 03

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Professor Perry

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We're going to list our requirements and test whether they pass or fail, record the results, assign a severity if it fails, and publish the results as the Software Test Report.

Requirement	Pass	Fail	Severity
Implement Base and Manipulator to Create Mobile Manipulator	X		
Autonomous Navigation	X		
Object Recognition	X		
Pose Estimation	X		
Optimal Grasp Selection	X		
Hardware Implementation		X	Medium
Manual Control		X	Low

The gross functional requirements have been achieved. Over the course of this project, the hardware implementation of the mobile manipulator shifted to have a focus in virtual environments, as the hardware did not arrive in time for effective development to take place. The manual control functionality was initially considered as an optional implementation, resulting in its severity being low for our scope.