System Name: Pick and Place

Subsystem Name	Block Name	Short Description	Est Completion	Developer Name
Hardware	Structure	The physical skeleton of the robot.	12/17/2018	Zachary Carey
	Motors	Motor selection of type and size/torque.	12/17/2018	Zachary Carey
	Motor Control	Means of controlling motors.	12/17/2018	Zachary Carey
	Magnet	Magnet selection and control.	12/17/2018	Zachary Carey
	Power Supply	Source of power and routing of main power to other systems.	12/17/2018	Zachary Carey
	Microcontroller	Selection of microcontroller and the pins it uses.	12/17/2018	Zachary Carey
Software	UI	Design and control that the user sees and interacts with.	12/17/2018	Zachary Carey
	Shape Detection	Develop algorithm to detect shapes to pick up.	12/17/2018	Zachary Carey
	Serial Communication	Ensure a stable serial connection between laptop and microcontroller.	12/17/2018	Zachary Carey
	Coordinate Calculation	Take points of shapes from an image and turn them into coordinates for the robot to move to.	12/17/2018	Zachary Carey