Programming Level 3 Test

This test should be administered under the supervision of a senior programmer (level 4)

Applicants should be able to provide an explanation as to how any code that they have written works

Applicant's name	Date	
branch on the repo used for the lever a method scanFile, when an ArrayList	ould be committed to the repo using a new vel 2 test nich reads each line of a file and stores it i	
Code Unicorn (See below).		
Tester's Name	(print)	
I have not assisted the applicant in as I can.	the taking of this test and have been as f	air
Tester Signiture		

Unicorn

Port numbers don't matter but should be plausible

All major code changes need to be commented/javadoc'd and committed to GitHub. All commit messages should be descriptive of all changes made. Github repository should contain a ReadMe that describes what the codebase is for. Do not plagiarise this document. All code not auto generated by vscode needs to be written by the individual taking this test.

4 wheels, one motor/Talon per wheel

Arcade Drive with Strafe

Joystick Controllers

Grabber mechanism uses 1 piston to open/close, 1 to raise/lower

Piston 1: Out = Close

Piston 2: Out = Raised

Opening the Grabber when raised will drop the ball into the Shooter Uses a SparkMax to operate a lift which stops at a signal from a separate Limit Switch at the highest and lowest points

Forward on the Motor = Up

Limit Switch true = tripped

Shooter uses a Talon controlled motor to wind up, uses a Piston to hold in place, second Piston disengages Motor, Should not fire while motor is engaged

Piston $1 \ln = Fire$

Piston 2 Out = Motor disengage

Motor Reverse = wind up