Credit Name: Project D
Assignment Name: Phidget

REFLECTION ON CODE

How has your program changed from planning to coding to now? Please Explain?

The Phidget rover kit was pretty challenging for me because I needed to program the code that can easily output in the rover. The rover challenge was extremely challenging because the code was not outputting my code perfectly. It took some examples and testing to perfect it. The only problem I struggled with was the chances I had for the rover to work every time(perfected the first time, other tries were not perfected).

```
ckage phidgets;
import com.phidget22.*;
                //Connect to wireless rover
Net.addServer("", "192.168.100.1", 5661, "", 0);
                 DCMotor leftMotors = new DCMotor();
DCMotor rightMotors = new DCMotor();
DistanceSensor sonar = new DistanceSe
                 //Address
leftMotors.setChannel(0);
rightMotors.setChannel(1);
                 //Open connections
leftMotors.open(5000);
rightMotors.open(5000);
sonar.open(5000);
                 //Set acceleration
leftMotors.setAcceleration(leftMotors.getMaxAcceleration());
rightMotors.setAcceleration(rightMotors.getMaxAcceleration());
                         love in a square pattern 4 times
' (int side = 0; side < 4; side++)
                         //Move forward
leftMotors.setTargetVelocity(0.5);
rightMotors.setTargetVelocity(0.5);
Thread.sleep(2500);
                           leftMotors.setTargetVelocity(0);
rightMotors.setTargetVelocity(0);
Thread.sLeep(500);
                          //Turn 90 degrees - adjusted timing for precise turn leftMotors.setTargetVelocity(0.5); rightMotors.setTargetVelocity(-0.5); Thread.sLeep(650); // Reduced from 825ms to 650ms for
                          //scop
leftWotors.setTargetVelocity(0);
rightMotors.setTargetVelocity(0);
Thread.sleep(500);
                 leftMotors.setTargetVelocity(0);
rightMotors.setTargetVelocity(0);
```