FINAL PROJECT -- MILESTONE 5A

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**Introduction:**

- Name of Assignment: Final Project Milestone 5A - Simple Map Method

- Lab team number: 5

- Team Members:

+ Phuoc Nguyen, Khoa Tran (NXT Part)

+ Corey Short, Trevor Davenport (PC Part)

- Approximate number of person hours spent on this: 5 hours

**Performance Specification**:

Our robot meets all the specification for this milestone. Our Rover is able to Map out the surrounding area by using Locator's calculations of a new pose and combining it with a dead reckoning pose. This is accomplished by making two complete circuits (rectangles) and fixing the pose when the robot reaches a corner.

The standard deviation is big for X because the location (0, 0) and (241, 0) cannot be reached. We have to estimate our first starting point and calculate from that point. In order to prevent the error from building up, we try to fix position along the way so make the calculation more accurate.

**Experimental Work/Listed Data:**

