

Presentation - Project Proposal (Sumo Bot)

Induction:

- Greetings
- name / major / year
- class / proposal
- project / name (sumo)

Project (Sumo):

- SAC Rules
 - weight - 500g
 - width - 10x 10cm
- Components (Pololu)
 - 4 line
 - 1 short
 - 1 long-wire harness } sensors
 - 1 chassis
 - 2 - AC motors (metal gears) (75:1 or 100:1)
 - 2 servos
 - 1 motor driver
 - 1 Arduino Uno

- How it all works together
 - desired movements
 - note to change when implementing code)

- How I plan to attack the project
 - parts list → order
 - research arduino language
 - research sensor implementation
 - build hardware
 - implement software
 - Alter software / fix bugs

- Milestones (5 set):

1) Choice of all components	Sept	13
2) Sensors working	"	20
3) Movement obtained	"	23
4) Trial strategy implemented	Oct	5
5) Strategy Tested	"	14

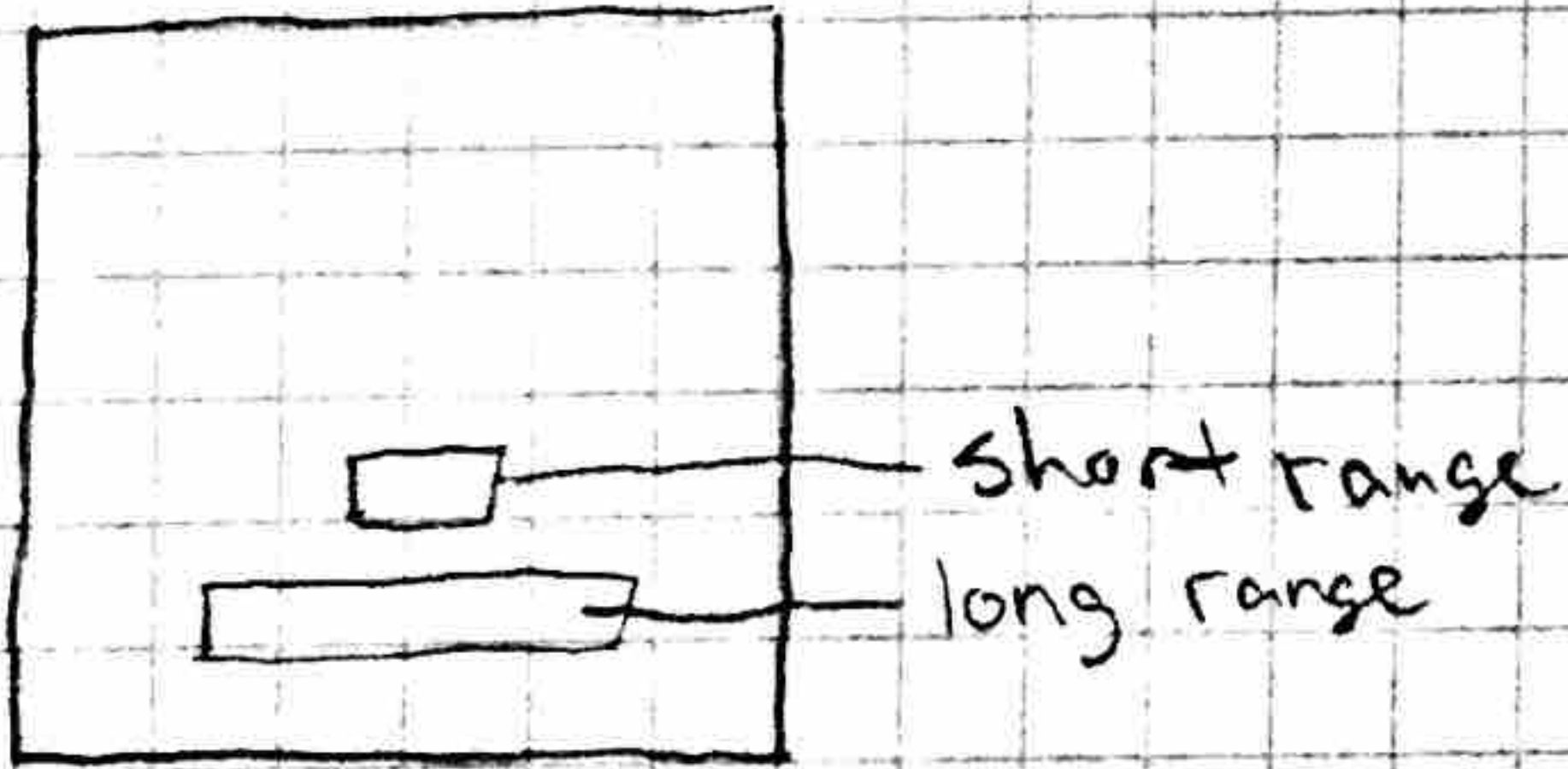
- Next Steps:

- continue implementing for SAC
- perfect the algorithm

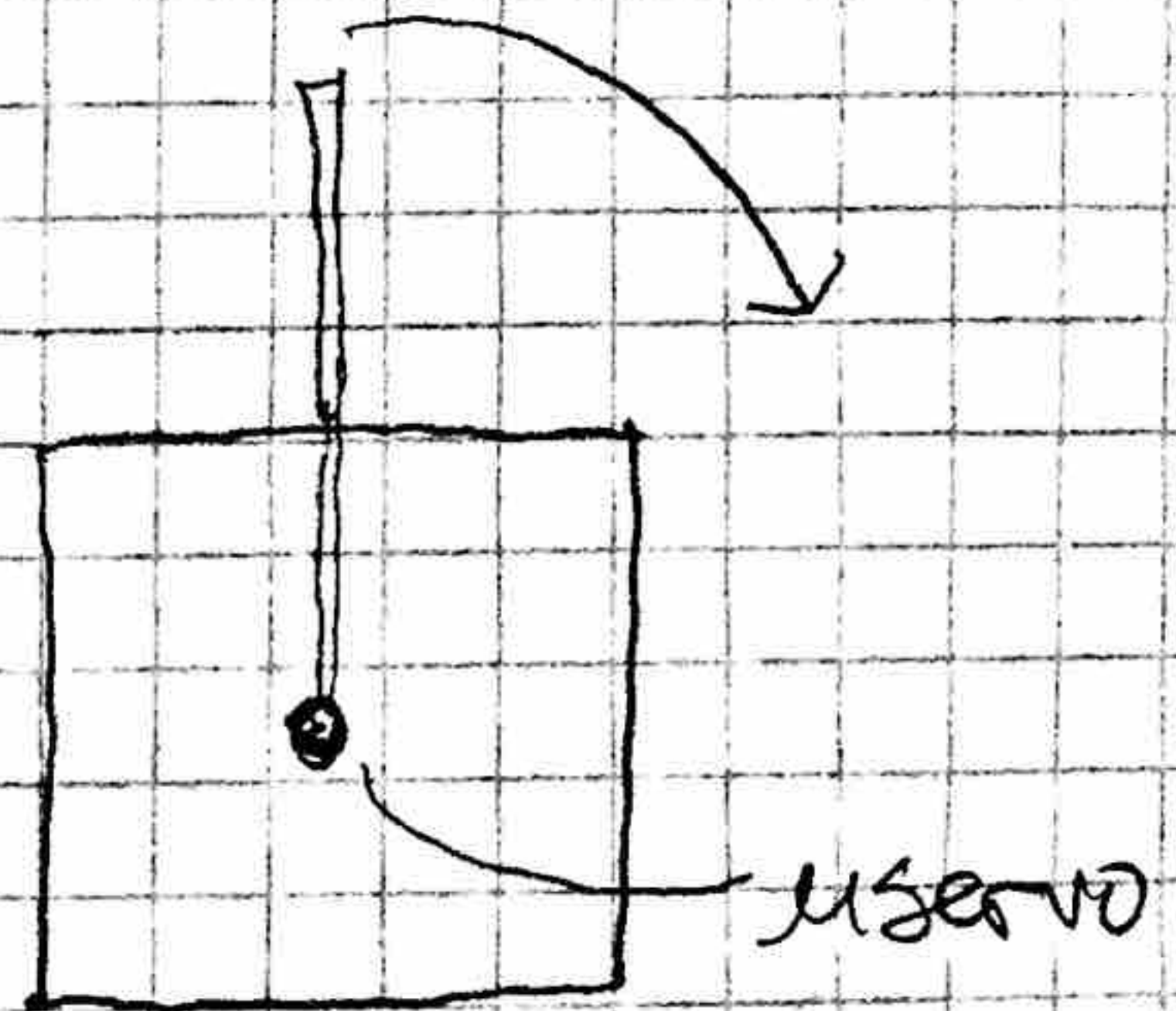
Project update:

- As of now I am 2 days behind schedule.
 - still waiting on all the hardware to arrive
 - hopefully by next week, midweek the bot will be fully put together.
- In the meantime, I am researching the Arduino language and learning it.
- Also I am thinking about the logic I want to use, updates to come.

Front view



side view



Bottom view

