Group 6 - Mindstorm Troopers - Milestone 2

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1 Your Contribution to the Group

As a member of the AI team I didn't work on Milestone 2 as the tasks were mostly mechanical and instead I beagn working towards milestone 3. In doing so my main task became liaising between the Vision and the Firmware teams to make sure the cose everyone was writing would be compatible and formatted in the most convinient ways for future processing by the strategy algorithm. After considering their input I gave the firmware team a specification of how the commands will be send to the brick and how they should be stored (LIFO). My discussion with the vision team (mainly Kuba) focused on deciding on a coordinate system and the general world representation. I then created a geometry package containing the objects needed to track movement and positions based on our decisions for the world. I also sat down with Peter who explained how the vision code is working and then discussed with him the best format for an interface to access the information the vision generate from different parts of the program, (we'll model the whole thing as an object) which Patricia has started working on (world class). Finally I met with Roy on Thursday after meeting the vision team and discussed our long term plans for the AI programs asn strategy as well as ideas for ideal robot designs (which we shared with the engineering team.)

2 High Points of Your Contribution

- Making sure the code all different teams wrote would be compatible and easily accessible.
- Designing our world representation and coordinate system.
- Programming the geometry packages needed for tracking positions and trajectories
- Making our future strategy plans more concrete.

3 Future Work

- Adding some methods to the geometry package as needed.
- Maintaining the git organized is an ongoing process.
- Finishing working on the world class with Patricia
- Implenting the first planning algorithms required for Milestone 3.

4 Points Awarded to Each Member (out of 5)

- Peter Macgregor 4
- Patricia Dragan 3.5
- Egidijus Skinkys 4
- Andrew Leith 3.5
- Nursultan Askarbekuly 3.5
- Peak Limpiti 3

- Zhang Chen 4
- Aris Tsialos 4
- Kuba Kaszyk 4.5