For the second milestone, I first started getting to grips with testing: writing a few tests for the Vector class and experimenting with different values and how they affected the tests. I also created skeleton test classes for the Impala and Eagle classes for future use.
I then wrote some tests to check the correctness of the Clamp function written by Richard, and uncovered and fixed a bug in it. Through testing, I also discovered a bug in the A Star path-finding function, and alerted Richard to this and he was able to fix it.
I then added tests for the new functions Gradient() and GetAngleTo() within the Vector class, and also created a test file for the Foresee class, and added an initial set of tests to check the correctness of the extrapolation function.

Highlights of my contribution:
  • Identified two bugs within the AI system, and managed to fix one of them myself and alerted Richard to the other one (which he later rectified).
  • Created multiple functions to test the Vector and Foresee classes.

Things to improve upon for the next milestone:
  • Due to having coursework to do for other courses, I feel I slacked off for this milestone. I need to manage my time better for the next milestone.
  • Tying into the previous point, another reason for not having contributed as much is the feeling of "not having much to do" - our project manager Richard was ill for most of the first week, and I felt that I had no tasks to do. However, I could have asked other members of the team if they needed help with anything. This is something I can do in the future.

I believe that I earned a score of either a **two** or a **three.** I feel for the first week of the milestone that I didn't really contribute anything at all, but feel that I did provide genuinely useful work in the form of tests in the second week. In my opinion, Richard, Pavel, Iain Richardson and Georgi Ivanov all deserve marks of 4.