# DAY 01: 16/01/2022

Developed a problem description for each class, a class diagram, and created a github for the project. Next step: Write pseudocode.

# DAY 02 17/01/2022

Started working on pseudocode. Good progress.

Re-structured the Simulation class and added some ideas for generating limbs based on the parent creatures.

Jumping power of the creature is a random number between the creature’s parents’ jumping power.

For each limb, the creature has higher probability(80%) of generating the same limb type as the parents if they both have the same limb type, otherwise the limb generation is random.

Other creature characteristics will be calculated smiarly

All of this is not final and I will have to perform tests and check if this approach succeeds in generating successful creatures.

Other limb, wheel and leg characteristics will be simulated similarly.

# DAY 03:

Pseudocode is good. Review it and see if anymore progress is needed. If not, START UP UNITY!

Started working a bit more on pseudocde. Mind is unclear so I will stop here, I believe most of my code is straight bs so I’ll do it with a clear head.

# DAY04(02/02/23) Continued pseudocode.

Completed pseudocde for back end: Leg and Wheel class completed. Also fixed up Simulatin class

Added mutations in the Creature class where the creature has a 20% chance of not following the parents’ path.(This is simply done using Math.rand and the value can easily be changed). Decided hat it is not necessary to have this on the lower classes as well

Next time: Start working on Unity. Must have Stuart something t show by next week!!!