

Software Engineering Research Project

Weekly Report S1W10

This week was about improving on past developments and beginning our journey into epidemic models and getting ready for our final client meeting before the presentation.

What I did this week

This week I began modelling epidemics, and diving into the mathematics of computation. It was more challenging than I anticipated, especially when it began to involve derivatives. However, I happy with the progress so far and look forward to sharing it with the group.

Plans for next week

Next week I will continue to refine the model and make improvements, I hope to be able to extend the model into actual visual simulations that can be understood by people without knowledge of mathematical modelling.

Issues encountered

As mentioned above, converting the epidemic models into a way that the computer can understand was quite tricky, and although I haven't come up with a complete solution yet, I am making progress. After reconvening with my group and clients, I am confident that we can keep making progress.