I have completed the code review activities with an instructor from Informatics Large Practical over a couple of sessions, and here are the results. Due to the informal nature of drop-in sessions for ILP, some stages of the code review activities were irrelevant and/or not carried out.

The main piece of code that I was struggling with was the PathFinder class, which deals with finding the path with the minimum number of moves between one node to the next, with the main issue being that it was too tightly coupled with other classes and had redundant methods that could be refactored and removed.

Piece of code to be reviewed and refactored:

Text

Description automatically generated

The ‘Distribute code/tests’, and ‘Check code’ stages were all merged into one activity due to the drop-in session, where I was able to explain to the instructor what I wanted the code to do and what the current piece of code achieves.

For the ‘Write review report’ and ‘Discussion’ stages, they were conducted through constant communication through the Piazza forum platform. After the in-person code review, the instructor wrote additional comments and feedback regarding our session, as well as further information about how I could solve some of the problems and suggest some external reading material.

Finally, the ‘Make to-do list’ part was done through the ‘Reminders’ app on my phone, as this was easier to both manage and update/add/complete tasks that were already due to be completed. This also meant that I did not necessarily need my laptop to think about some of these problems, and I could record potential solutions while I was not at home or when I did not have my laptop ready.

Here is the result after multiple review cycles:

