COMPENG 2SH4 Project – Statement of Contribution

Your Group Number _____

Your Name   Manav Patel

Your Team Member's Name   Dhruv Bagga

You must complete this statement of contribution without discussing it with your project partner, i.e., individually. Your statement should be concise (at most one-and-a-half page). It has three parts:

1. Tell us about your own contribution to the development of your COMPENG 2SH4 project. For example, you can tell us about which project iterations (as mentioned in the project manual) and C++ project classes that you worked on and completed. You can provide a concise answer either in paragraph form or through bullet points.

My partner and I followed the recommended workflow. I took the role of Developer 1.

Iteration 1: Working on setting up the input system, game condition system and score system. I also added various methods to the player and objPos classes as required to make accessing and altering values in other parts of the code much easier to implement.

Iteration 2: I worked on implementing the food objectives and validating on game board.

Iteration 3: I did the collision detection, score system update and game over condition.

2. Repeat Part 1 above but this time tell us about your project partner's contribution to the development of your COMPENG 2SH4 project.

Iteration 1: He worked on FSM transplant from PPA3 and single segment movement validation.

Iteration 2: He then developed and validated the object position array list.

Iteration 3: For this part of the project, he worked on the implementing the snake body movement and snake body growth.

3. Tell us about your experience in your first collaborated software development through this project – what was working and what wasn't. If you are a one-person team, tell us what you think may work better if you had a second collaborator working with you.

This project went extremely well because Dhruv and I both did our jobs well. We were always communicating and discussing possible implementations when we were stuck on some part of the code. Having a second collaborator was extremely beneficial because he would have a different perspective to how we should write the code, and it would help me figure out how to fix the bugs I saw while doing my part of the code. The only part that didn't work was that we would always have to git Pull to see the other person's code, which meant we couldn't work on it on two separate devices at the same time,

which would've helped development for this project. However, that is a GitHub feature not a problem in the way we worked.

Overall, this project allowed me to get comfortable with a collaborative project through a repository like Github.