

COMPENG 2SH4 Project – Statement of Contribution

Your Group Name drmemory Leaked

Your Name Fady Hanna

Your Team Member's Name Mark Atalla

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.
 - Review and understand the model code and the mandatory objects.
 - Complete the implementation of objPos class by filling in all the missing special member functions, setting up game mechanisms: input system, game condition system, score system
 - Developing and validating the object position array list & Player object phase 2
 - Array integration to deploy the snake body movement & Player object phase 4 – Game over condition
 - Including at least 1 “special food” feature that can do something special to the snake and the score.

2. Repeat Part 1 above but this time tell us about your project partner's contribution to the development of your COMPENG 2SH4 project.
 - Review and understand the model code and the mandatory objects.
 - Complete the implementation of objPos class by filling in all the missing special member functions. Implementing player object phase 1
 - FSM transplant from PPA3, single segment movement validation after OOD refactoring & Implementing food object
 - random position generation, validating on game board & Player object phase 3
 - collision detection, snake body growth, score system update & Upgrading item to an Item Bin class using array list, enabling at least 3 randomly generated food items around the game board.

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.

I loved working with Mark on this project. Granted he is also my ELECENG 2CI4 partner, so we had the prior chemistry of working together. This is why when we faced any challenge in communication or aligning on what we must do it was easily solved.