Naomi Chiu and Hadleigh Nunes
Mini Project 4 – Interactive Programming

Project Proposal

For our project, we are remaking our own version of the classic arcade game Tron. We will explore coding for game development such as Model-View-Controllers, pygame and multiplayer interfaces. Our minimum viable product would be a simple 2+ player Tron game with no additional features to the original. For a stretch goal, we will research and incorporate a CPU to enable single player capabilities.

As both of us have no intention of becoming Computer Engineers, we hope to use this experience to learn as much as possible. For Hadleigh, she would like to explore Python's use of classes and pros and cons of object oriented languages and learn about objects in general. Hadleigh would also like to work on improving her partner programming skills. For Naomi, she would like to learn how to work cooperatively on coding as previous experiences were not so great. She would also like to expand on her knowledge of Python's capabilities and explore pygame and game creation.

As of right now, we currently are planning to use pygame to generate our game. We are also researching other relevant libraries that could be useful to our final goal but we don't really have any idea of what to do beyond that.

By Friday, we will have decided on necessary libraries and have already generated the starting state of our MVP. We will have considered all classes that our game would require and generated most if not all in our code.

Between the two of us, prior knowledge on coding and computation is quite sparse. As we write this, we feel confused on how to start. We feel that this is the biggest factor in our success as we will have to figure out everything as we go with very little experience to lead us. While we understand classes, we haven't had much experience in using them and will have to figure out what methods to include so that our objects are able to perform as we wish. In conclusion, we are quite lost and confused and don't know where to begin.