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AP CSP, Period 1

28 February 2020

Question 2b

2b. Describe the incremental and iterative development process of your program, focusing on two distinct points in that process. Describe the difficulties and/or opportunities you encountered and how they were resolved or incorporated. In your description clearly indicate whether the development described was collaborative or independent. At least one of these points must refer to independent program development. (Must not exceed 200 words) I began with a program that created two main balls and other balls that were attracted or repulsed by one of the main balls based on their distance from it. I planned to add triangles and squares. I did this by adding two more classes for ships and squares, creating two abstractions enabling me to create multiple objects with fewer lines of code. Throughout this program, there were opportunities to further enhance the code. When creating the squares class, I realized that the squares and triangles should have an interaction rather than just between them and the balls. I created a main ship and only if the squares got between a short distance would they be attracted to the ship. Additionally, I decided there should be multiple options to choose from for what shapes the user would like. I had trouble getting the buttons to line up with the text in them as well as getting them to work. In order to fix these problems, I worked by myself to get the text to match up by trial and error and utilized the help of a peer to review how buttons worked to change the screen.

Word Count: 196