Create — Applications from Ideas
Written Response Submission Template

Submission Requirements
2. Written Responses

Submit one PDF document in which you respond directly to each prompt. Clearly label your responses **2a – 2d in order. Your response to all prompts combined must not exceed 750 words, exclusive of the Program Code.**

Program Purpose and Development

2a. Identify the programming language and identify the purpose of your program. Explain your video using one of the following:

- A written summary of what the video illustrates OR
- An audio narration in your video. If you choose this option, your response to the written summary should read, “The explanation is located in the video.”

(Approximately 150 words)

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; the second could refer to either collaborative or independent program development.

(Approximately 200 words)

2c. Capture and paste an image or images of your program code segment that implements the most complex algorithm you wrote.

Your algorithm should integrate several mathematical and logical concepts.
Describe the mathematical and logical concepts used to develop the algorithm.
Explain the complexity of the algorithm and how it functions in the program.

(Approximately 200 words)

2d. Capture and paste an image or images of the program code segment that contains an abstraction you developed.

Your abstraction should integrate mathematical and logical concepts.
Explain how your abstraction helped manage the complexity of your program.

(Approximately 200 words)