

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 the program code segment that implements an algorithm (marked with an oval in section 3 below) that is fundamental for your program to achieve its intended purpose.

Your code segment must include an algorithm that integrates other algorithms and integrates mathematical and/or logical concepts.

Describe how each algorithm within your selected algorithm functions independently, as well as in combination with others, to form a new algorithm that helps to achieve the intended purpose of the program.

(Approximately 200 words)

2d. Capture and paste the program code segment that contains an abstraction you developed (marked with a rectangle in section 3 below).

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

(Approximately 200 words)