Project Presentation Guidelines

Programming is a collaborative and creative process that brings ideas to life through the development of software. In this task, you will design and implement a program that might solve a problem, enable innovation, explore personal interests, or express creativity. Your submission must include the elements listed in the Submission Requirements section below. You are allowed to collaborate with your partner(s) on the development of the project, the written response and the video that you submit for this project can be completed collaboratively or individually, without any collaboration with your partner(s).You must follow the Guidelines for Completing the Project section below.

General Requirements

You will be provided with a minimum of 6 hours of class time to complete and submit the following:

- **Final program code that runs** (created independently or collaboratively)
- **A video that displays the running of your program and demonstrates functionality you developed**
- **Written paper**
- **Ppt presentation**

Submission Requirements

1. PROGRAM CODE (CREATED INDEPENDENTLY OR COLLABORATIVELY)

Submit one PDF file that contains all of your program code (including comments). Include comments or acknowledgments for any part of the submitted program code that has been written by someone other than you and/or your collaborative partner(s). The program must run.

2) VIDEDO

Submit one video in .mp4, .wmv, .avi, or .mov format that demonstrates the running of at least the significant features of your program. Your video must not exceed 10 minutes in length.

Provide an audio narration in your video that:
- identifies the programming language;
- identifies the purpose and the functionality of your program/project; and
- explains what the video illustrates.

3) WRITTEN PAPER

You will write a paper of no more than 2 single-column, 1.5-spaced, 12pt font pages. Provide information on the project and on your presentation. Name the project that is represented by your presentation. Describe the projects intended purpose and function. Describe how your presentation illustrates, represents, or explains the project's intended purpose, its function, or its effect.

Describe your development process, explicitly identifying the computing tools and techniques you used to create your presentation. Your description must be detailed enough so that a person unfamiliar with those tools and techniques will understand your process.

Explain at least one beneficial effect and at least one harmful effect the project has had, or has the potential to have, on society, economy, or culture. Using specific details, describe:

the data your project uses;

how the project consumes (as input), produces (as output), and/or transforms data; and

at least one data storage concern, data privacy concern, or data security concern directly related to the project.

4) POWERPOINAT PRESENTATION

References

Provide a list of at least three online or print sources used to create your presentation.