

CPE Programming 2 Final Project Proposal

Project Title: [Insert Project Title Here]

Group Members:

1. [Student Name 1]
2. [Student Name 2]

Introduction: In this final project for CPE Programming 2, you are tasked with designing and implementing a C programming project that demonstrates your understanding of the concepts covered throughout the semester. Your project should incorporate functions, arrays, pointers, dynamic memory allocation, and structures. The project should be challenging enough to showcase your skills while also being feasible to complete within the given timeframe.

Project Description: Provide a brief overview of your project idea. Explain what problem your project aims to solve or what functionality it aims to provide. Include details about the main features and functionalities of your project.

Technical Details:

1. **Concepts Utilized:** List the specific concepts from C programming that your project will utilize (e.g., functions, arrays, pointers, dynamic memory allocation, structures).
2. **Implementation Plan:** Describe how you plan to implement the project. Outline the major components and functionalities of your program. Provide a high-level overview of the code structure and organization.
3. **Challenges and Solutions:** Identify any potential challenges you anticipate encountering during the implementation of your project. Propose solutions or strategies for overcoming these challenges.

Project Scope: Discuss the scope of your project, including any limitations or constraints that may affect its implementation. Clearly define the minimum viable product (MVP) that you aim to deliver by the end of the project.

Timeline: Provide a timeline for the development of your project, including key milestones and deadlines. Break down the project into smaller tasks and allocate time for each task. Be realistic about the time required for each task. The final presentation for the project will be on May 21-24. If your pair can present before that week, you may gain higher scores.

Resources: List any external resources or libraries that you plan to use in your project. Include references to relevant documentation or tutorials that you may consult during the development process.

Presentation: Prepare a brief presentation to deliver during the project proposal session on Friday. Your presentation should cover the key points outlined in this proposal document. Be prepared to answer questions and provide further details about your project idea.

Evaluation Criteria: Your project proposal will be evaluated based on the following criteria:

- Clarity and completeness of the project description
- Demonstration of understanding of C programming concepts
- Feasibility and realism of the implementation plan
- Consideration of potential challenges and solutions
- Appropriateness of project scope and timeline

Note: Your project proposal serves as a blueprint for your final project. Make sure to invest sufficient time and effort into crafting a well-thought-out proposal that accurately represents your project idea and plans for implementation.