This is a Collaborative Learning Community (CLC) assignment. Once the Requirements Document is written, the next step is to write the Technical Design Document.

**This assignment has two parts: a Technical Design Document and a Milestone Version Description Document.**

**Part 1: Technical Design Document**

The Technical Design Document identifies “how” the software will be designed. The Technical design document is used by the programmers to write the code. It describes how the architecture of the software, the languages used, how different software components are connected, details for communication protocols, database details (e.g., schema and type of database), and supported browsers. This document should discuss how the functionality identified in the Requirements Document will be implemented. How the document is developed is up to your CLC group. Typically, this document includes detailed wireframes, prototypes, screenshots, and an explanation of how the functionality is incorporated into the product.

Use the provided template, “CST-326 Technical Design Document Guidance.” Ensure your Technical Design Document provides a detailed list of how each functional feature will be implemented, and addresses the following details:

1. Define the system architecture/infrastructure.
2. Define the user dialogs and the control flow.
3. Define the background tasks.
4. Define the database model/schema (if appropriate).
5. Define the server and client side of your application (as appropriate).
6. Define each user-related tasks/features.
7. Define the interfaces with other systems.
8. Define, as needed, how the statistics will be collected for the non-functional requirements (e.g., security, usability, ADA).

**Part 2: Module Version Description**

Use the provided template, “CST-326 Milestone Version Description Document,” located in the Course Materials, to capture the project status. The CLC Milestones are effectively client deliveries. Many projects require a document that summarizes the current delivery and project status. This document is used as an artifact to identify the work the CLC group did during the sprint. You will use data from Agile-based tools and your Git repository.

Include a minimum of two industry-appropriate sources.

Prepare this assignment according to the APA guidelines found in the APA Style Guide, located in the Student Success Center. An abstract is not required.

This assignment uses a rubric. Please review the rubric prior to beginning the assignment to become familiar with the expectations for successful completion.

You are required to submit this assignment to LopesWrite. Refer to the [LopesWrite Technical Support articles](https://support.gcu.edu/hc/en-us/sections/360001963394-LopesWrite" \t "_blank) for assistance.

Submit the assignment to LoudCloud as directed by your instructor.