This is a Collaborative Learning Community (CLC) assignment.

After the client's needs are captured in user stories, requirement development is the next step for documentation. Functional requirements are deconstructions of the user stories into mostly functional behaviors. The requirements identify "what" the application will do. A user story is a vague representation of an idea or concept a specific user category would like. The functional requirements document will break the user story into multiple functional behaviors that the software must exhibit.

For example, in an ecommerce application, a user story may be "As a customer, I want a convenient way to shop for a product." This is too vague to implement. This example user story can be deconstructed into several individual functional requirements, including identifying webpages to display, GUIs, order of operation, a shopping cart, the ability to save the shopping cart, make a wish list, color palette, and so on.

A good functional requirement is clear, concise, and testable. Refer to "EARS – Easy Approach to Requirements Syntax: The Definitive Guide," located in the topic Resources, for more details on requirement writing.

Use the Agile-based tool to assign resources to the user stories you have created. In the assignment, each CLC group member will create requirements for the user stories they are assigned in the Agile-based tool. Create the requirements document using the “CST-326 Requirements Document” for guidance. Some user stories may be simple, some complex. During the milestone, your CLC group will manage the assigned user stories to complete the requirements document. Management of issues may require the reassignment of existing issues in the Agile-based tool to a different milestone, the creation of new issues, and/or reassignment of issues between members of the CLC group.

**The Functional Requirements Document**

﻿Use the provided template, "Software Functional Requirements Document," to capture the functional and nonfunctional requirements, and architecture diagrams. The template is a guide. Your CLC group will name, add, and delete sections as appropriate for your software.

APA style is not required, but solid academic writing is expected.

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. A link to the LopesWrite technical support articles is located in Class Resources if you need assistance.