**CLC Project Assignment – Milestone 4**

**Database Operations**

Requirements:

1. Review requirements in Project Overview.
2. Report/Display/Update/Delete Product Modules:
   * The menu system should allow a user to display all “products”.
   * Product Report Module using a styled JSF Data Table.
     + The JSF Data Table style must match the theme of the application.
   * A Product Display Module implemented by selecting (hyperlink or button) a product from the Product Report and by using the proper JSF controls.
   * A Product Delete Module implemented by selecting (hyperlink or button) a product from the Product Report. The user should have the option to cancel the delete operation.
   * A Product Update Module implemented by selecting (hyperlink or button) a product from the Product Report and using the appropriate JSF controls and data validation.
   * A Data Access Object (find by id, find all, update, and delete methods of CRUD) implemented using an EJB and JPA.
3. It is expected that the Team will perform peer code reviews on all code.
4. It is expected that the Team will fully document all code modules, classes, methods, and use inline comments for all code.
5. It is expected that the Team will meet with the instructor if there are project management issues.

Deliverables and Submission:

1. Updated Design Report with the following sections completed:
   * Cover page with list of tasks completed.
   * Planning documentation: task list/schedule or Scrum artifacts.
   * Design documentation:
     + General Technical Approach
     + Key Technical Decisions
     + Install or Configuration Instructions
     + Known Issues
     + Risks
     + Sitemap Diagram
     + User Interface Diagrams
     + ER Diagram
     + DDL Scripts
     + Class Diagrams (for all Object Models and Services)
2. Upload and manage all code in Bitbucket.
3. Zip up code.
4. Upload all code and design to LoudCloud.

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