**CST-339 Programming in Java III**

**CLC Project Assignment – Milestone 4**

Requirements:

1. Review requirements in Project Overview.
2. Main Application Module:
   * The main application, at this point, should have final styles, fonts, colors, and an overall application theme implemented that will be used for the remaining milestone deliverables.
3. Login Module:
   * Module should be refactored using Spring JDBC or Spring Data JDBC and have a data service that is designed using the Data Access Object (DAO) or the Repository design pattern.
4. Registration Module:
   * Module should be refactored using Spring JDBC or Spring Data JDBC and have a data service that is designed using the Data Access Object (DAO) or the Repository design pattern.
5. Product Creation Module:
   * Module should be refactored using Spring JDBC or Spring Data JDBC and have a data service that is designed using the Data Access Object (DAO) or the Repository design pattern.
6. All pages must be design using one or more common Thymeleaf layouts.
7. The application should be built as JAR using Maven and run outside of the development environment using a terminal window.
8. It is expected that the Team will perform peer code reviews on all code.
9. It is expected that the Team will fully document all code modules, classes, methods, and use inline comments for all code.
10. 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 GIT.
3. Zip up code.
4. URL to a screencast technical and functional demonstration running from local development environment is included in the Design Report.