**CST-339 Programming in Java III**

**CLC Project Assignment – Milestone 3**

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 to use SpringBeans, Spring Core, and the DI for your business services. No database is required and authenticating a user can be emulated (hardwired in the code).
4. Registration Module:
   * Module should be refactored to use SpringBeans, Spring Core, and the DI for your business services. No database is required, and the entered registration data does not have to be persisted.
5. Product Creation Module:
   * The menu system should allow a user to create a new “product.”
   * A product creation module implemented using Spring MVC with all the proper data validation.
   * A product object model should be designed and implemented.
   * A database model should be designed, but an implementation is not required until Milestone Assignment 4. No database is required, and the entered product data does not have to be persisted.
6. All pages must be design using one or more common Thymeleaf layouts.
7. It is expected that the Team will perform peer code reviews on all code.
8. It is expected that the Team will fully document all code modules, classes, methods, and use inline comments for all code.
9. 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 controllers, 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.
5. Upload all code and design as directed by your instructor.