**CST-339 Programming in Java III**

**CLC Project Assignment – Milestone 7**

Requirements:

1. Review requirements in Project Overview.
2. REST API:
   * REST API design using Word template or Swagger.
   * REST API 1: Return all products.
   * REST API 2: Return a desired product.
   * All API’s must be secured using Spring Security and, at a minimum, use basic HTTP authentication using a database.
3. Include the REST API design or a link to the design in the Design Report.
4. The application should be deployed to an approved GCU cloud platform.
5. It is expected that the Team will perform peer code reviews on all code.
6. It is expected that the Team will fully document all code modules, classes, methods, and use inline comments for all code.
7. It is expected that the Team will meet with the instructor if there are project management issues.
8. Execute all Test Cases from the Test Plan created in Milestone 5.

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)
     + Service API
2. Upload and manage all code in GitHub.
3. Zip up code.
4. URL to a screencast technical and functional demonstration running from a cloud platform is included in the Design Report.