This is a Collaborative Learning Community (CLC) assignment.

**Objective:**Demonstrate the technological literacy skills necessary to create the login and registration components for an e-commerce site, focusing on an object-oriented approach for the design and implementation.

**Activity**: Review the Registration and Login pages you created in CST-126. Browse the Internet and review several registration pages for ecommerce sites, similar to the one built in this class. Create a list of several elements you think should make up a registration and login pages for an e-commerce site. Discuss the list with your peers and obtain instructor approval for the elements of your registration and login pages. Discuss the execution flow to capture the user interaction. Compare the approach you took for design and implementation in CST-126 and discuss ways to improve both pages. Focus on an object-oriented approach for the code design and implementation.

**Build:**

1. In MySQL, build the necessary tables to store the information required during the registration and login processes.
2. In PHP, create a Registration Class and a Login Class. Write the class methods that will enable the capturing of user input and store in the database. Use the functions you wrote in CST-126 as a starting point and reuse well written code. Improve as needed.
3. In HTML, build the minimally functional forms to capture user registration and login information.
4. In PHP, perform the necessary user authentication. Implement authentication as a separate class, so you can reuse later. Before you code, discuss and decide every detail of the user experience such as: number of login trials allowed, constraints on the password, etc. Recall the similar discussion in CST-126 and improve the code and design.
5. Based on the desired interaction and data captured, build the MySQL tables to store this information and enable the desired functionality.
6. Connect the Registration and Login pages. Discuss any revisions that might be necessary to code, schema, tables, or user interface created in future module(s).

**Deliverables:**

1. The schema
2. All necessary SQL tables
3. All necessary PHP classes
4. All necessary HTML
5. A fully functional Registration Page
6. A fully functional Login Page

**What to submit:**

1. A document describing the project, a list of all modules, files, and a user guide. In the document, explain how desired functionality, features, and constraints have been implemented in code.
2. Upload all necessary files to the GCU Cloud Hosting Solution.
3. In each file, include a commented header with the following information: Project name and version, Module name and version, Programmer(s) name(s), Date, Short synopsis of the module, and References.
4. Comments within the code, explaining non-obvious sections
5. In LoudCloud, submit the URL to your project.