

Phase 2: Database Coding (40% of the overall project, 40 pts):

Phase II Grading

The grading rubric for phase I is:

- (1) Category I: 15% self and peer evaluation*
- (2) Category II: 15% from the summative report from each individual member**
- (3) Category III: 50% final group report ***
- (4) Category IV: 20% system implementation ****

*: Each team member will turn in the evaluation under their own account on webCT. Your score in this category will be based on the average score on the “Overall Team Evaluation” question from all team members.

**: Each team member will turn in their own summative report under their own account on webCT. Items to be included in the summative report include:

- (1) List of items that you contributed in this phase of the project
- (2) Evidence of your contribution, such as the draft that you worked out before group discussion

For phase II only: It is OK to claim that all items are collaboratively done and use the final group report as the summative individual report. But both group members must do so. If only one group member claim that everything is collaboratively done, and the other group member turn in his evidence of contribution separately, then the person who claimed that all work are collaboratively done will receive zero credit for this category.

***: A group needs to turn in only one report under any team member’s account on webCT. Details regarding the report can be found on the next page.

****: The implementation of the system needs to be accessible to the instructor.

- (1) You will implement on cncsidb01.msudenver.edu under one of the group member’s account. Indicate which group member where the implementation is located.
- (2) I will be using stu account for grading purposes. So make sure you grant access to all your items to stu1.

Phase II Team Report

In Phase 2 you will finish all the coding that needs to be done on the database back end. The deliverables of this phase are:

- (1) Phase 1 report, with all modifications that are made after you turned it in on Oct 18th
- (2) Users and their Roles: list all users of your DB
- (3) Queries: all queries that each user would need to run
- (4) Privileges for each user: the list of their privileges
- (5) Index: list all indexes that your DB will have.
- (6) Provide the DB creation sql script that includes: table, view (if any), index creation, and user/role creation
- (7) Briefly explain how you populated your DB.
- (8) Transactions: discuss how concurrent processes might affect your database, and how you will use transactions to provide better ACID properties.
- (9) PSM and Triggers: list at least four scenarios where triggers, stored procedures/functions are used in your DB. Provide code for these four procedures/functions/triggers.

Submit all items as one report to blackboard (one per group) by **November 13 (Tuesday)**.

A template for phase2 report has been provided for your convenience.