

ELEC3225 Applied Programming Concepts

Assignment #5

Instructions: This is a group assignment, however, pay attention to the submission section below. Any evidence of cheating, using online help sites like Chegg, CourseHero, etc. - review the Syllabus for Academic Honest policies. Refer to the Syllabus for Late Submission Policy.

In this assignment you will work with your group on implementing the code (C++ or Python or Java) integrated with your database based on the assignment description and your UML diagrams from Assignment 4. In this version you must have functions, proper (base/derived) classes, a working database, etc.

What to implement:

- Add/remove course from semester schedule (based on course ID number).
- Assemble and print course roster (instructor).
- Add/remove courses from the system (admin).
- Log-in, log-out (all users).
- Search all courses (all users) .
- Search courses based on parameters (all users) – you should be able to enter the parameters such as course code, day/time, etc.
- A menu to implement the use-cases.
- Edit classes as necessary to reflect the class diagrams.

Note: There are still functions you will need to work on later, as this list is incomplete.

All code must be on the repository. Document which part of the code and database each member works on. You will also be graded based on the balance of the workload. Compare the final code to the diagram used in the previous assignment. Do they match? If not, edit the diagrams to reflect the new version.

What to submit

While this will be done in teams, you must divide and document the workload. Determine which teammate will setup/run which function/code.

- Each member in the group will submit a PDF with your name, assignment number, the names of your group members, and your contribution to this assignment i.e., what you worked on individually.
- Include in your document descriptions of outputs, screenshots, and your own analysis. Don't just tell me what the code does (I can read the code). Figures must have proper figure numbers and captions for full credit.
- Include a link to your repository in your document – clearly mark what you worked on within the code using comments.