

## Course Scheduler Final Project Part 2 Grading Rubric

Late policy of 4% per day late and using good object-oriented coding techniques still apply. Copying code from the internet does not count as writing your own code. Do not do this. The way to check your code is to use the Course Scheduler Final Project Part 2 test script provided. The Course Scheduler Final Project Part 2 test script will be used to test your assignment.

There are four functions to Part 2 of the final project:

The Admin functions of: Display Class List of Students, Drop Student, and Drop Class and the Student function of: Drop Class for a student.

Database and project considerations:

- When you submit your project, you MUST submit both your zipped project folder and your zipped database folder (your grade will be 0 if you fail to submit your database when you submit your code. We need it to grade your assignment.)
- **Your project code must be based on the template project provided for the current semester. If not, your grade will be 0.**
- **If your database does not work with your code, e.g., wrong table or column names, your grade will be 0.**
- Your database should have the username and password of 'java' and 'java' as per the assignment and have the proper database name as per the assignment. Your project must also have the proper name as specified in the assignment. You should be able to submit the same database zip file as you did for Part 1, assuming that it is properly named, and all the tables are empty.
- Your database must have the tables defined but the tables must be empty (-5 for not following these directions)
- You should have the following tables in your database with the appropriate columns: semester, courses, classes, students, and schedule. (-10 for each table)
- You should also have the appropriate primary keys.
- You must use SQL Prepare Statements (-10) when modifying the database.

Functionality:

- Correctly display the list of students in a class showing scheduled students and waitlisted students (-20)
- Correctly drop a class from the database.
  - Drop class from class table (-5)
  - Drop students from schedule table (-5)
  - Display all students dropped and whether they were scheduled or waitlisted. (-10)
  - Remove the class from class comboboxes. (-5)
- Correctly drop a student from the database.
  - Drop the student from the student table (-5)
  - Drop the student from every semester (-5)

- Drop the student from each class they are enrolled in.
    - If Scheduled in the class, schedule another student from the waitlist, if there is one. (-10)
    - If Waitlisted in the class, just drop the student from the class (-5)
  - Remove student from student comboboxes. (-5)
- Correctly drop a class from the student's schedule.
  - If the student is scheduled in the class
    - Remove the class from the student schedule (-5)
    - Schedule the first waiting student from the waitlist, if there is one. (-5)
  - If the student is waitlisted in the class
    - Remove the class from the student schedule (-5)
- The priority order of a course waitlist must be maintained (-5)
  - It is strongly recommended that you use Timestamp to keep track of a student's position on the waitlist.

#### GUI:

- Although the tab layout is recommended, it is not required. If you designed your GUI using a different type of layout, that's totally fine – just make sure you have all the required pieces of functionality and show all the appropriate information.
- Users entering data in textfields is only permitted for the Add functions. All other functions must use combo boxes to display data from the database for the User to select. (-5)
- The combo boxes should be updated automatically when additional data is added to the database (-3)
- When a command is performed, the results of that command should be displayed to the user without the user needing to perform any display function to see what was done. For example, if you add a student to the database, you should display the name of the student that was added. Likewise, after performing a Schedule Course function, you should display whether the student was scheduled in the course or placed in waitlist status. (-3)
- How you want to display information is up to you, but it must include all necessary information and be readable by the grader.