

Demo sheet, Databases (Version 2)

Date:

Fire group number:

Before demonstrating, ensure that the data you have put into your system can handle all of the following test cases. Fill in the student identifiers and course codes that you use in the demonstration in the table below. When demonstrating, have psql or similar running, so that you can show the state of your tables and views.

| | Student | Course |
|---|---------|--------|
| List info for a student. | | |
| Registering and unregistering from courses | | |
| Register a student for an unrestricted course, and show that they end up registered. | | |
| Register the same student for the same course again, and show that the program doesn't crash, and that the student gets an error message. | | |
| Unregister the student from the course, and then unregister again from the same course. Show that the student is unregistered. | | |
| Register a student for a course that they don't have the prerequisites for, and show that the registration doesn't go through. | | |
| Restricted courses | | |
| <i>Before demonstrating, set up a restricted course with at least two students in the queue.</i> | | |
| Unregister the student from a restricted course that they are registered to, with at least two students in the queue. Register again to the same course and show that the student gets the correct (last) position in the waiting list. | | |
| Unregister and re-register the same student for the same restricted course, and show that the student is first removed and then ends up in the same position as before (last). | | |
| Overfull courses | | |
| <i>Before demonstrating, set up an overfull restricted course in the database, and with one student on the waiting list.</i> | | |
| Unregister a student from the overfull course. Show that no student is moved from the queue to being registered as a result. | | |