



## **BSc in Science in Computing & Multimedia**

**Year 2, Semester 2, 2021**

# **OOP**

<b>Module Title:</b>	OOP
<b>Module Code:</b>	BSC2
<b>Assessment Type:</b>	Group Project
<b>Group Members:</b>	Roger Batista – 20337 Luana França – 21898 Flavio Pinheiro - 18706

## Report – Group 2

Github link: <https://github.com/Luana-21898/oop-ca-final-g2-21898-20337-18706>

On this project we had to create an application for Virtual Global College (VGC), which is currently running on a paper-base system. Our goals with this app were:

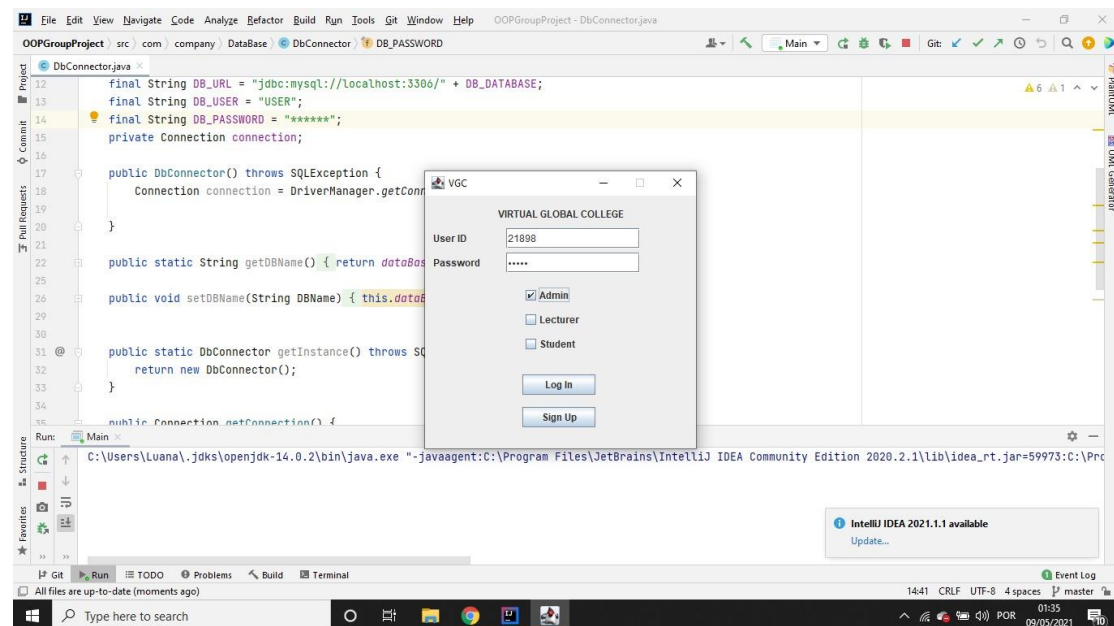
- Register of Students for courses and their attendance
- Managing student personal and contact information
- Academic Progress of students
- Track of Payment fees
- Track of exams
- Allow faculty members access student's grades
- Faculty members to access student attendance and read Student contact information
- Administrator with super privileges for creating new courses, timetable, etc...

During the development we had a few problems with the database and how to link it with the code, we realized that it was just a configuration problem, and we were able to perform all these areas previous mentioned.

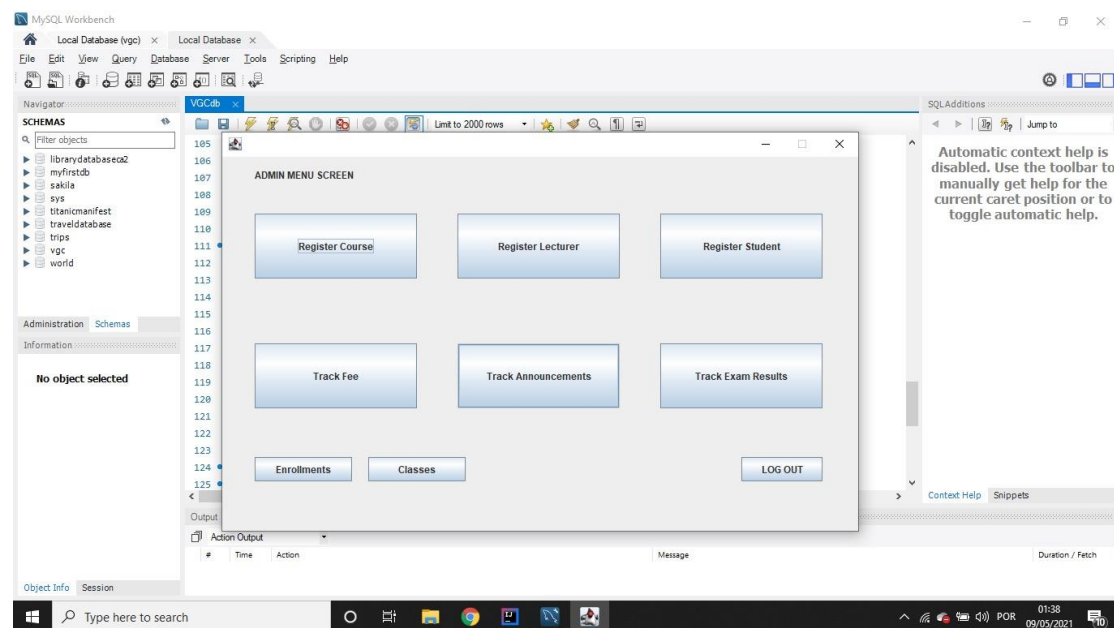
Our project is composed of different classes forming a console application.

We assume that only the Admin has access to this application and can edit, delete and create new users.

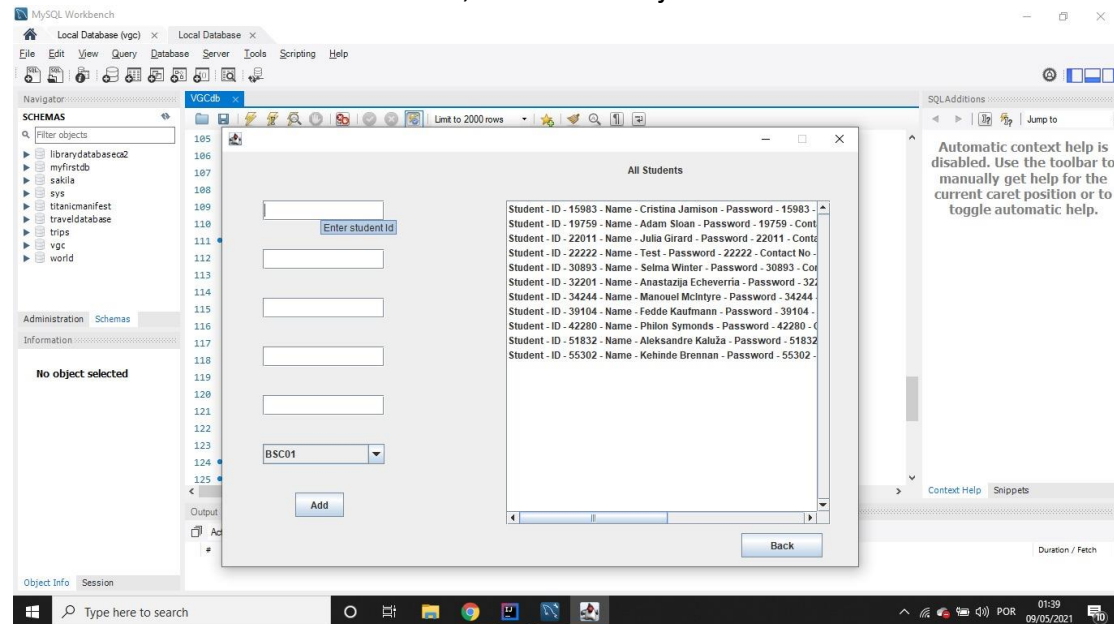
At first you will see a login page which you choose if you are a student, lecturer or Admin.



On the Admin Menu you will have access to register a new course, students, lecturers and student fees.

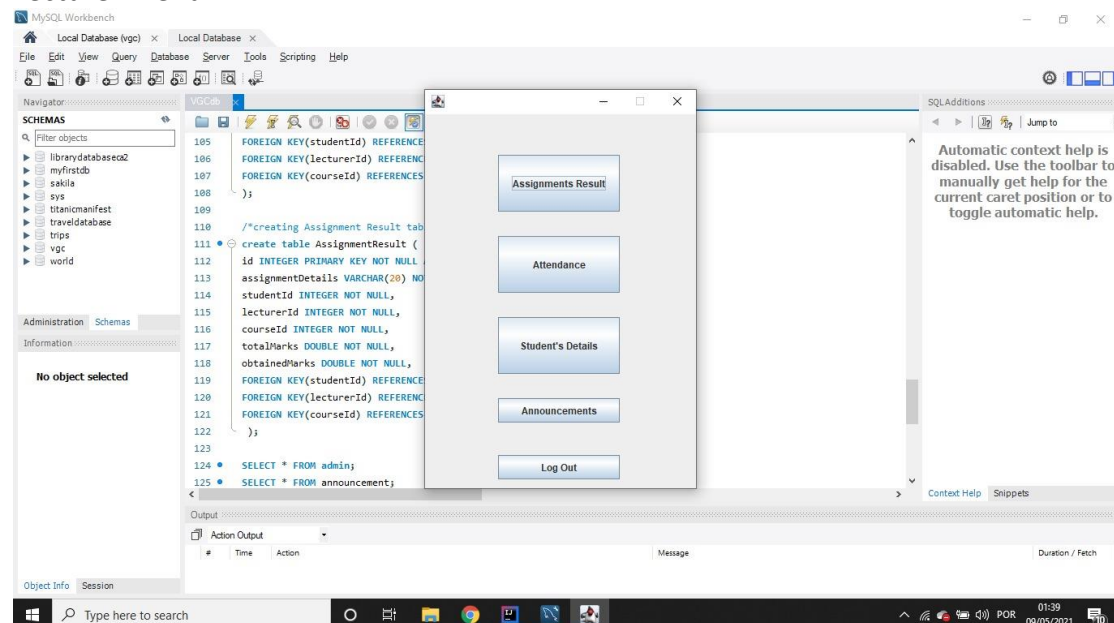


An example on how the admin can create a new student, while he is creating, he can see all the students, courses and lecturers are already created. On the image bellow he choose to create a new student, so he can see just the students.

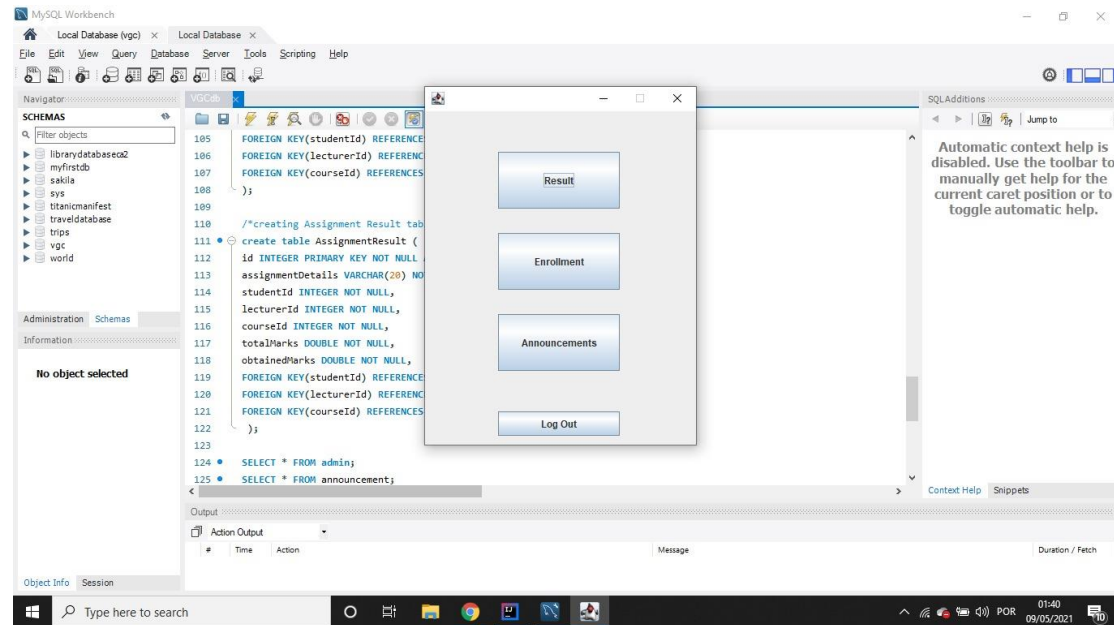


The students and the lecturers do not have the super privilege to edit things, so they can only read what is in there. Here how their menu looks like.

## Lecturer menu



## Student menu



We had a security problem on the part that prints the student's information to the lecturer, that we weren't able to print just some part of the information, and it is printing their password together, as you can see on the following image.

