

## Lab 4. DAO

In this laboratory work you need to implement a data access object pattern. That is, a class that will hide all interaction with the database from the rest of the application.

You need following in the GUI:

- a list of students with edit/delete buttons for each one
- a form for adding new student

Data must be stored in an SQL database (you can use SQLite, for example). To access the database you must use your own DAO class. In its implementation you need to use SQL queries.

Here is a sample interface for a DAO.

```
interface EmployeeDAO {  
  
    List<Employee> findAll();  
    List<Employee> findById();  
    List<Employee> findByName();  
    boolean insertEmployee(Employee employee);  
    boolean updateEmployee(Employee employee);  
    boolean deleteEmployee(Employee employee);  
  
}
```

Do defend the lab, publish it and description on GitHub, demonstrate working application, answer questions.