(Object Oriented) Programming Techniques
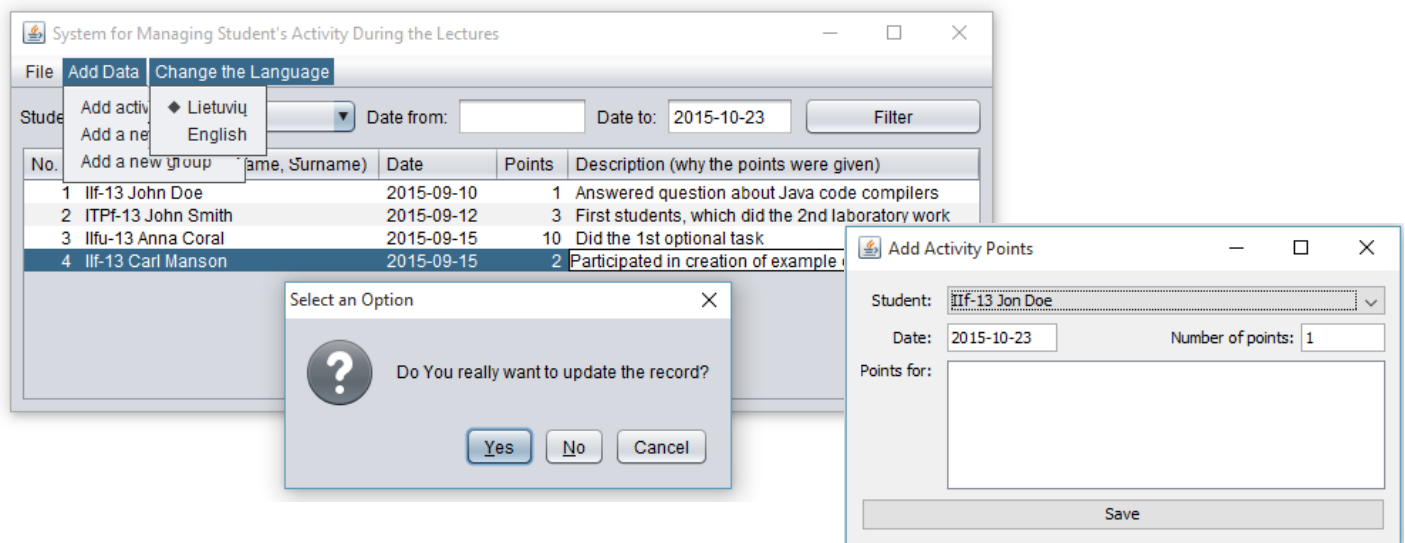
7 laboratory work „Database Integration and Internationalization"

Aim of the work – to understand JDBC and Internationalization principles and to use it in Java code.

Workflow and tasks or the work:

1. Create a database, which would save data on student groups (code, study program, study entrance year), students (group, name, surname, students number) and students activity point (student, date, points, description).
2. Create a software, which would allow management of created database:
    2.1. Connect to the database by using data stored in property file ().
    2.2. All user interface text has to be internationalized, by allowing user to choose one of two languages.
    2.3. Program should have functionality to add new date to the database (new group, new student, and new activity points).
    2.4. User can view stored data, by providing search filters (student, date interval from – to).
    2.5. User can edit selected record and these changes would be updated in the database.
3. Į Moodle aplinką, ties 7 laboratoriniu darbu įkelkite sukurtą duomenų bazę (arba visus failus, arba duomenų bazės eksportą (dump)) ir visus sukurtus .java ir veikimui reikalingus failus arba visą projektą. Taip pat darbą galite siųsti el. pašto adresu vgtu.paskaitoms@gmail.com.
4. Upload the database (export file, dump or all database files) and all .java as well as resource files or all the project into the course (Moodle system) or send it all to e-mail address vgtu.paskaitoms@gmail.com.

Ideas for graphical user interface design:

Note. You can choose a different topic, program for the laboratory work. There must be at least 2 tables in the database, user should be able to manage the data. The user interface must be internationalized too.