Java Enterprise Edition

Fall Semester 2020

Instructor: Zhuanyshev Ilyas

TASK 3

Problem 1

Develop a simple WEB application for admission students into University.

Create table in MySQL or PostgreSQL:

```
students (

id – int(11)

name – varchar(255)

surname – varchar(255)

middle_name – varchar(255)

birthdate – date

iin – varchar(12)

is_grant – boolean

specialty – varchar(255)
```

Also, create a java class as an Entity of our table:

Student.java

- Long id;
- String name;
- String surname;
- String middleName;
- Date birthdate; // java.util.Date
- String iin;
- boolean isGrant;
- String specialty;

Create constructors, getters, and setters for parameters.

Inside of **DBManager.java** class, connect to your database.

Also, create static methods to manage with students:

boolean addStudent(Student student); //this method adds new student into database

ArrayList<Student> findAllStudentsFilteredPaged(String name, String surname, String iin, boolean isGrant, int fromIndex, int size);

//this method returns a list of all students from database filtered by criteria and paged (pagination)

int countStudentsFiltered(String name, String surname, String iin, boolean isGrant, int fromIndex);

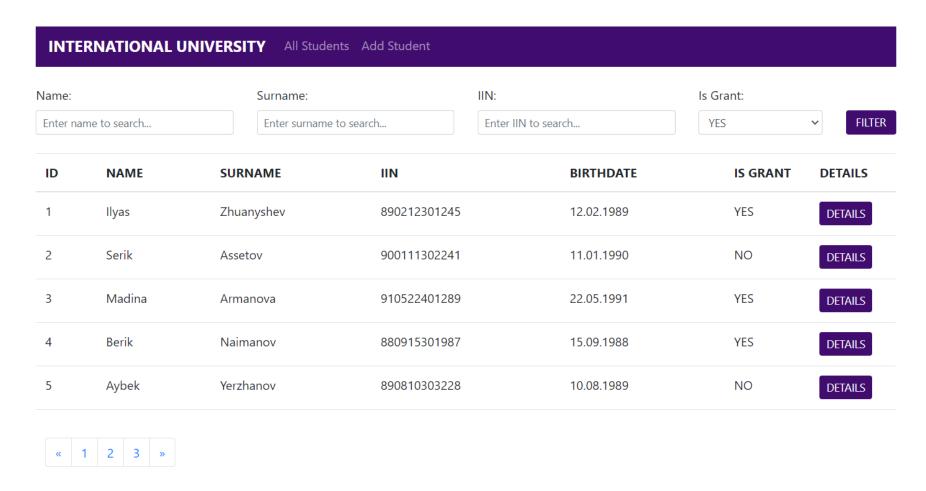
//this counts size of filtered students by criteria

Student getStudent(Long id); //this method returns a student from database by id (for pagination)

boolean saveStudent(Student student); //this method updates student from database

boolean deleteStudent(Student student); //this method deletes student from database

In main page, you will have a list of all students shown as in example:

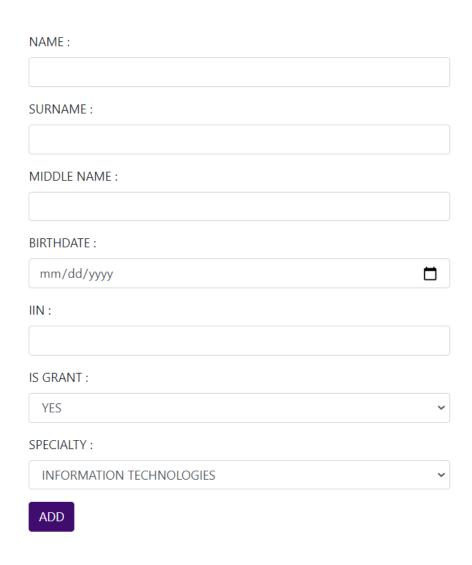


As you see in main page, you will be able to filter students by their criteria (name, surname, iin, isGrant). Be careful on filtering. Your pagination pages must be correctly generated according to your filter results.

To add new Student, you will complete form (Pay attention to that IIN value must be unique):

INTERNATIONAL UNIVERSITY All Students Add Student

ADD STUDENT



To view details of Student, create details page:

INTERNATIONAL UNIVERSITY All Students Add Student

NAME:
Ilyas
SURNAME :
Zhuanyshev
MIDDLE NAME :
Orazgaliyevic
BIRTHDATE :
12.02.1989
IIN:
890212301245
IS GRANT:
YES
SPECIALTY:
INFROMATION TECHNOLOGIES
EDIT

EDIT STUDENT

