Диаграмма классов

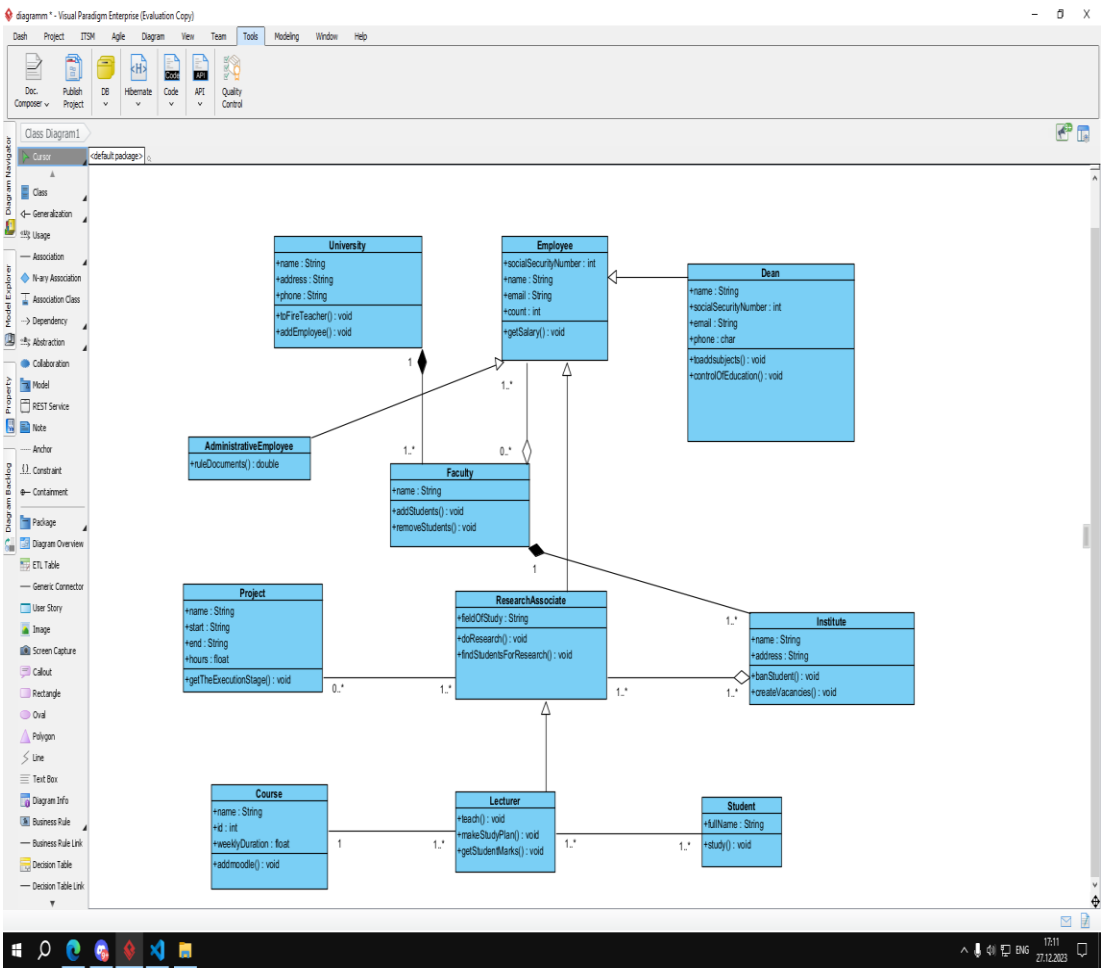
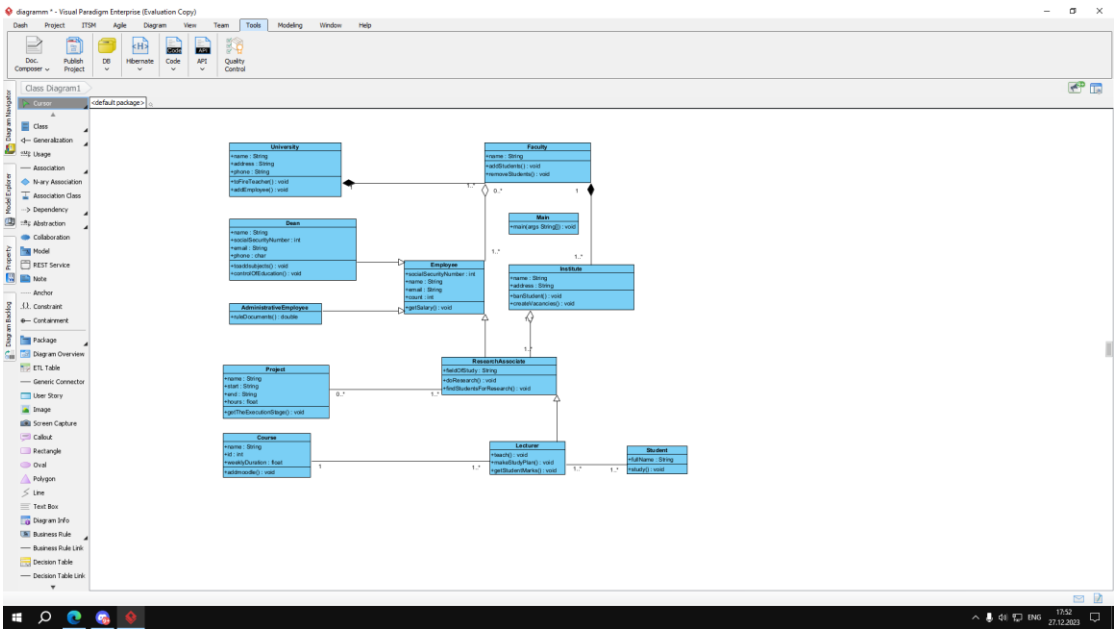
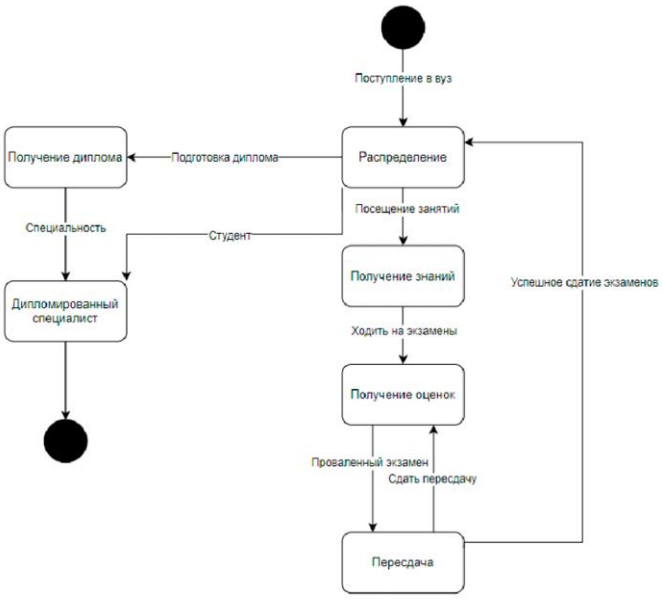


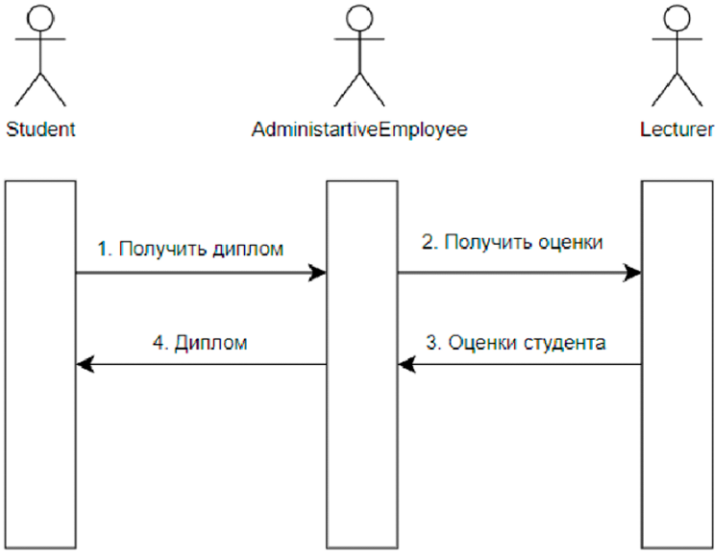
Диаграмма классов с кодом



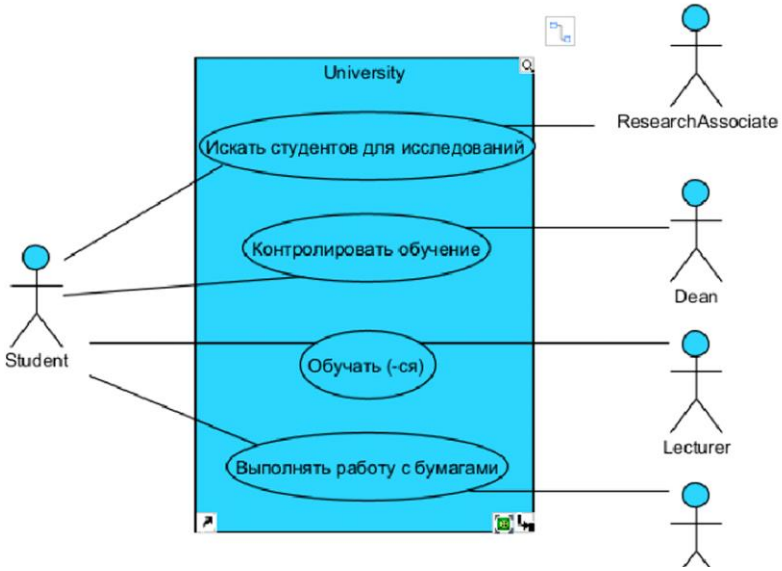
Состояния



Последовательность обучения


Student
AdministartiveEmployee
Lecturer
1. Получить диплом
2. Получить оценки
4. Диплом
3. Оценки студента

use case


University
Искать студентов для исследований
Контролировать обучение
Обучать (-ся)
Выполнять работу с бумагами
Student
ResearchAssociate
Dean
Lecturer

Код

AdministrativeEmployee.java | Course.java | Main.java | Employee.java | Faculty.java | Project.j

```java
public class AdministrativeEmployee extends Employee {

    public double ruleDocuments() {
        // TODO - implement AdministrativeEmployee.ruleDocuments
        throw new UnsupportedOperationException();
    }


}
```

AdministrativeEmployee.java | Course.java | Main.java | Employee.java | Faculty.java | Project.java | ResearchAssociate.java | Student

```java
2 usages
public class Course {

    2 usages
    public String name;
    public int id;
    2 usages
    public float hours;

    1 usage
    public void addmoodle() {
        System.out.println("Course Name: " + name);
        System.out.println("Hours per week: " + (hours / 26)); // assuming a semester has 26 weeks
    }
}
```

```java
public class Dean extends Employee {

    public String name;
    public int ssNu;
    public String email;
    public int number_employee;
    public char phone;

    public void toaddsubject() {
        // TODO - implement Dean.toaddsubject
        throw new UnsupportedOperationException();
    }

    public void controlOfEducation() {
        // TODO - implement Dean.monitorTheConductOfTrainingSessions
        throw new UnsupportedOperationException();
    }



}
```

urse.java | Main.java | Employee.java | Faculty.java | Project.java | ResearchAssociate.java | Student.java | University.java

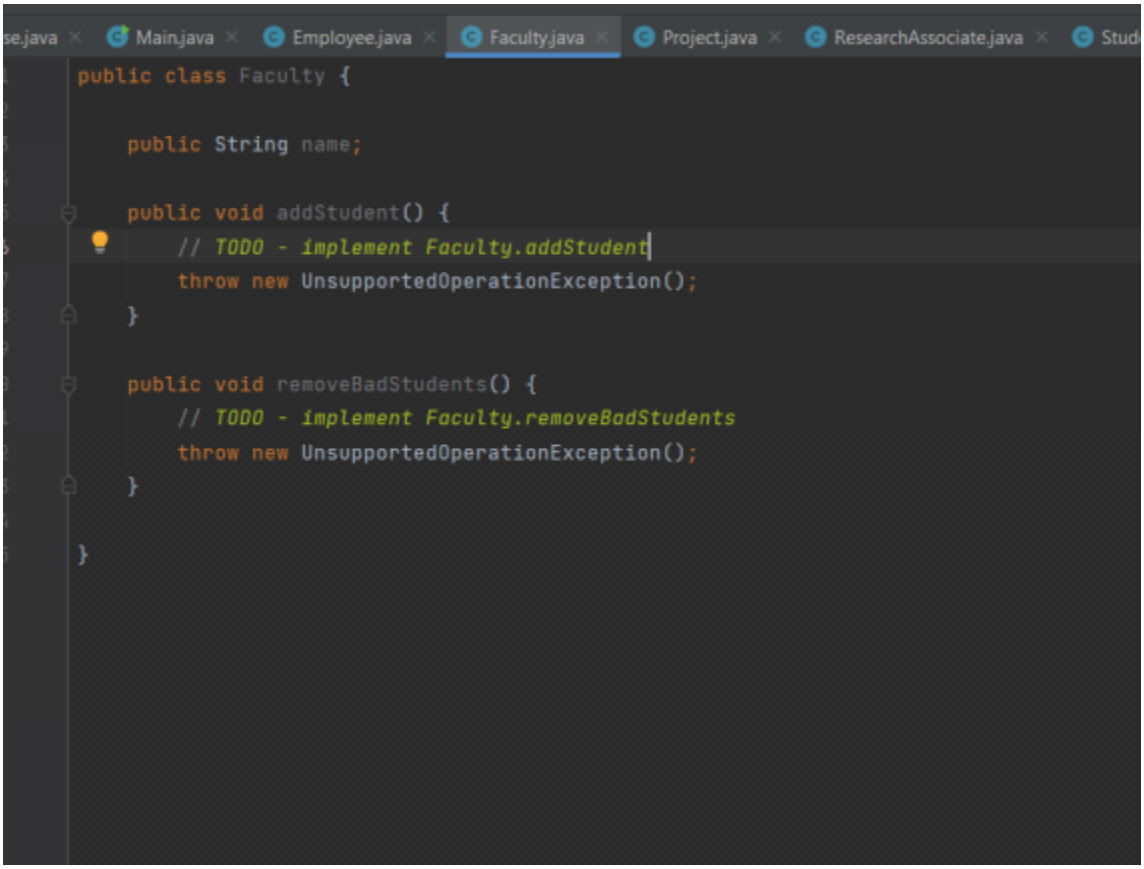
3 usages 4 inheritors

```java
public class Employee {

    public int ssNu;
    public String name;
    public String email;

    public void getSalary() {
        // TODO - implement Employee.getSalary
        throw new UnsupportedOperationException();
    }

}
```


se.java
Main.java
Employee.java
Faculty.java
Project.java
ResearchAssociate.java
Stud
public class Faculty {
public String name;
public void addStudent() {
// TODO - implement Faculty.addStudent
throw new UnsupportedOperationException();
}
public void removeBadStudents() {
// TODO - implement Faculty.removeBadStudents
throw new UnsupportedOperationException();
}
}

rse.java | Main.java | Employee.java | Faculty.java | Institute.java | ResearchAssociate.java | Student.java

```java
public class Institute {

    public String name;
    public String address;

    public void banStudent() {
        // TODO - implement Institute.banStudent
        throw new UnsupportedOperationException();
    }

    public void createVacancies() {
        // TODO - implement Institute.createVacancies
        throw new UnsupportedOperationException();
    }

}
```

Course.java | Main.java | Employee.java | Faculty.java | Institute.java | Lecturer.java | Student.java | Universi

```java
public class Lecturer extends ResearchAssociate {

    public void teach() {
        // TODO - implement Lecturer.teach
        throw new UnsupportedOperationException();
    }

    public void makeStudyPlan() {
        // TODO - implement Lecturer.makeStudyPlan
        throw new UnsupportedOperationException();
    }

    public void getStudentMarks() {
        // TODO - implement Lecturer.getStudentMarks
        throw new UnsupportedOperationException();
    }

}
```

Course.java | Main.java | Employee.java | Faculty.java | Institute.java | Lecturer.java | Student.java | University.ja

```java
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter the name of the course: ");
        String courseName = scanner.nextLine();

        System.out.println("Enter the total number of hours for the semester: ");
        float totalHours = scanner.nextFloat();

        Course course = new Course();
        course.name = courseName;
        course.hours = totalHours;

        course.addmoodle();
    }
}
```

Course.java | Main.java | Project.java | ResearchAssociate.java | Employee.java | Faculty.java

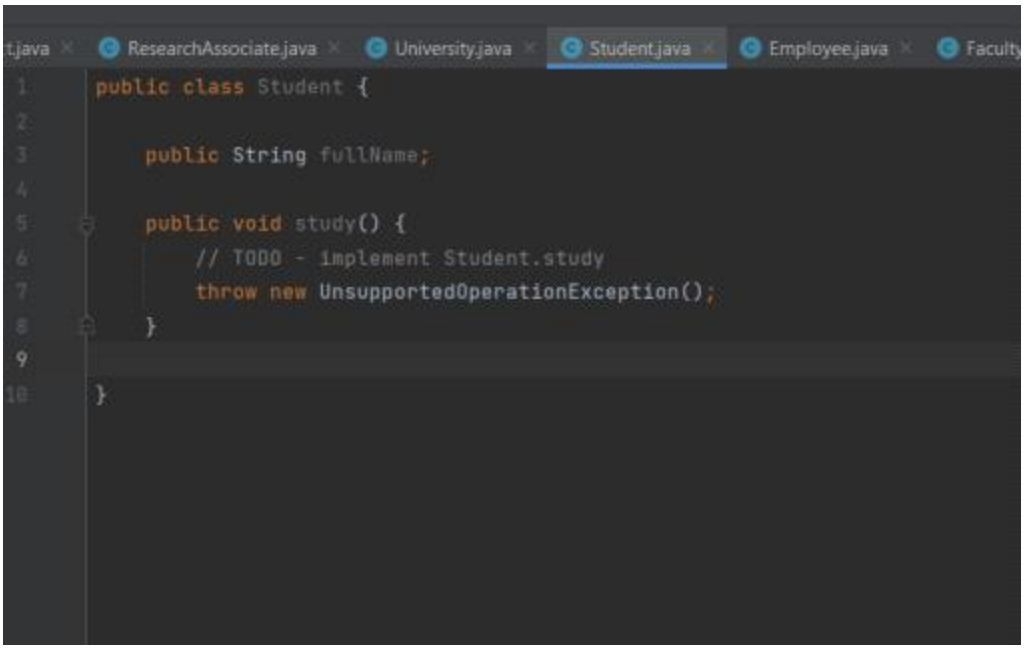
1 usage 1 inheritor

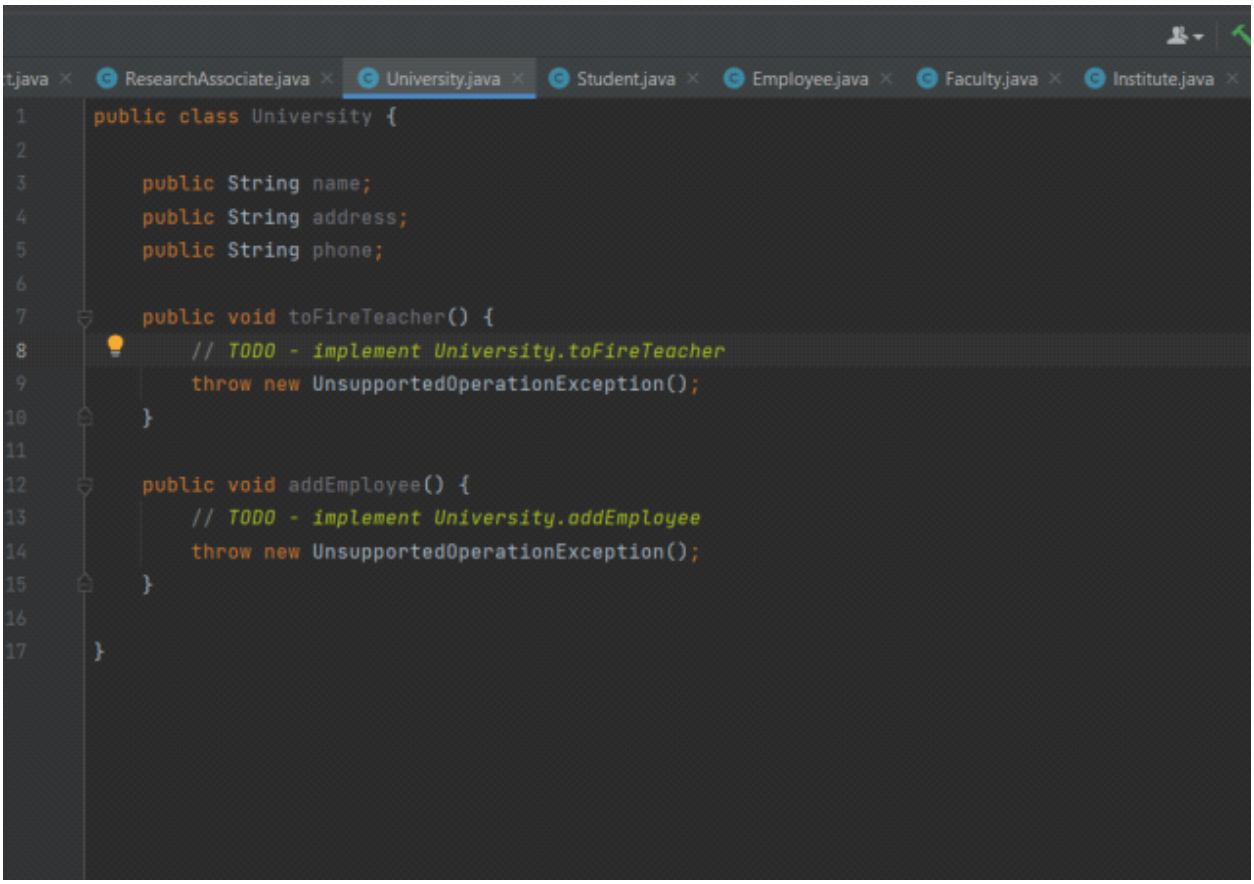
```java
public class ResearchAssociate extends Employee {

    public void doResearch() {
        // TODO - implement ResearchAssociate.doResearch
        throw new UnsupportedOperationException();
    }

    public void findStudentsForResearch() {
        // TODO - implement ResearchAssociate.findStudentsForResearch
        throw new UnsupportedOperationException();
    }

}
```


t.java
ResearchAssociate.java
University.java
Student.java
Employee.java
Faculty
public class Student {
public String fullName;
public void study() {
// TODO - implement Student.study
throw new UnsupportedOperationException();
}
}


t.java
ResearchAssociate.java
University.java
Student.java
Employee.java
Faculty.java
Institute.java
public class University {
public String name;
public String address;
public String phone;
public void toFireTeacher() {
// TODO - implement University.toFireTeacher
throw new UnsupportedOperationException();
}
public void addEmployee() {
// TODO - implement University.addEmployee
throw new UnsupportedOperationException();
}
}