Диаграмма классов с использованием Visual Paradigm

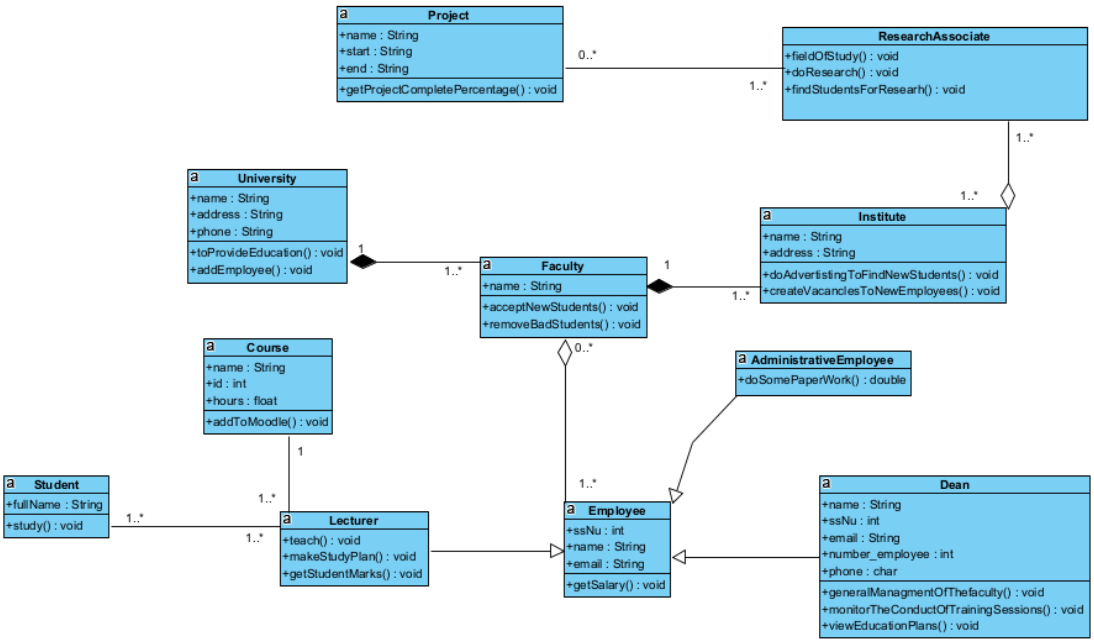
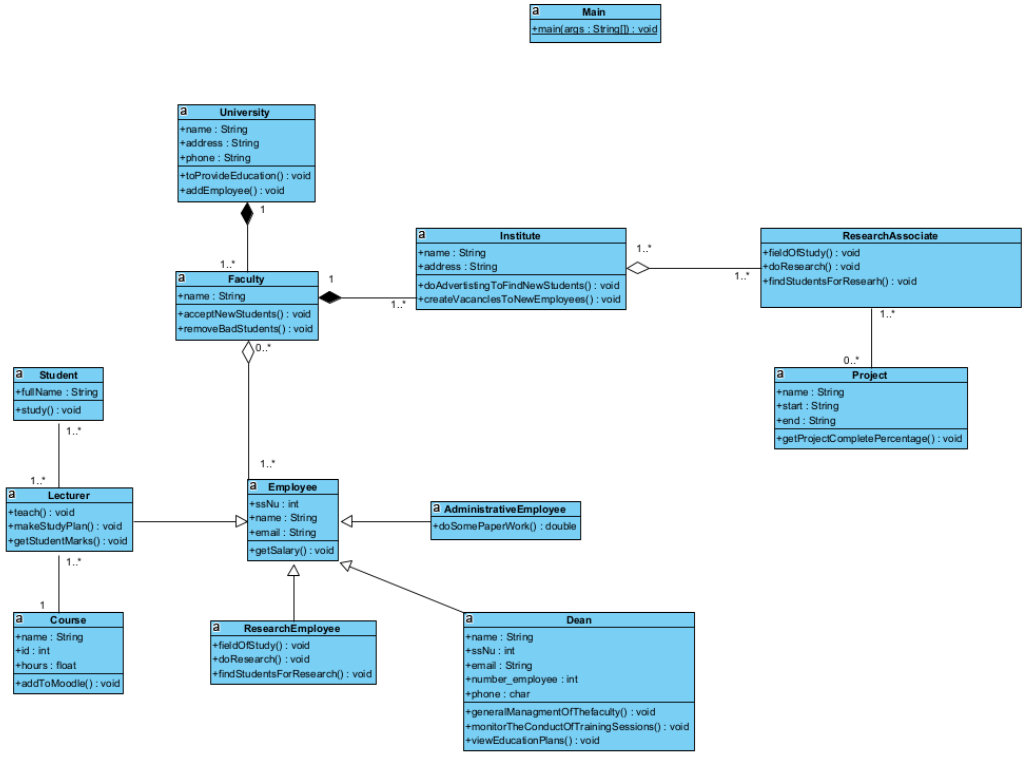


Диаграмма классов с использованием кода в Visual Paradigm



Use case

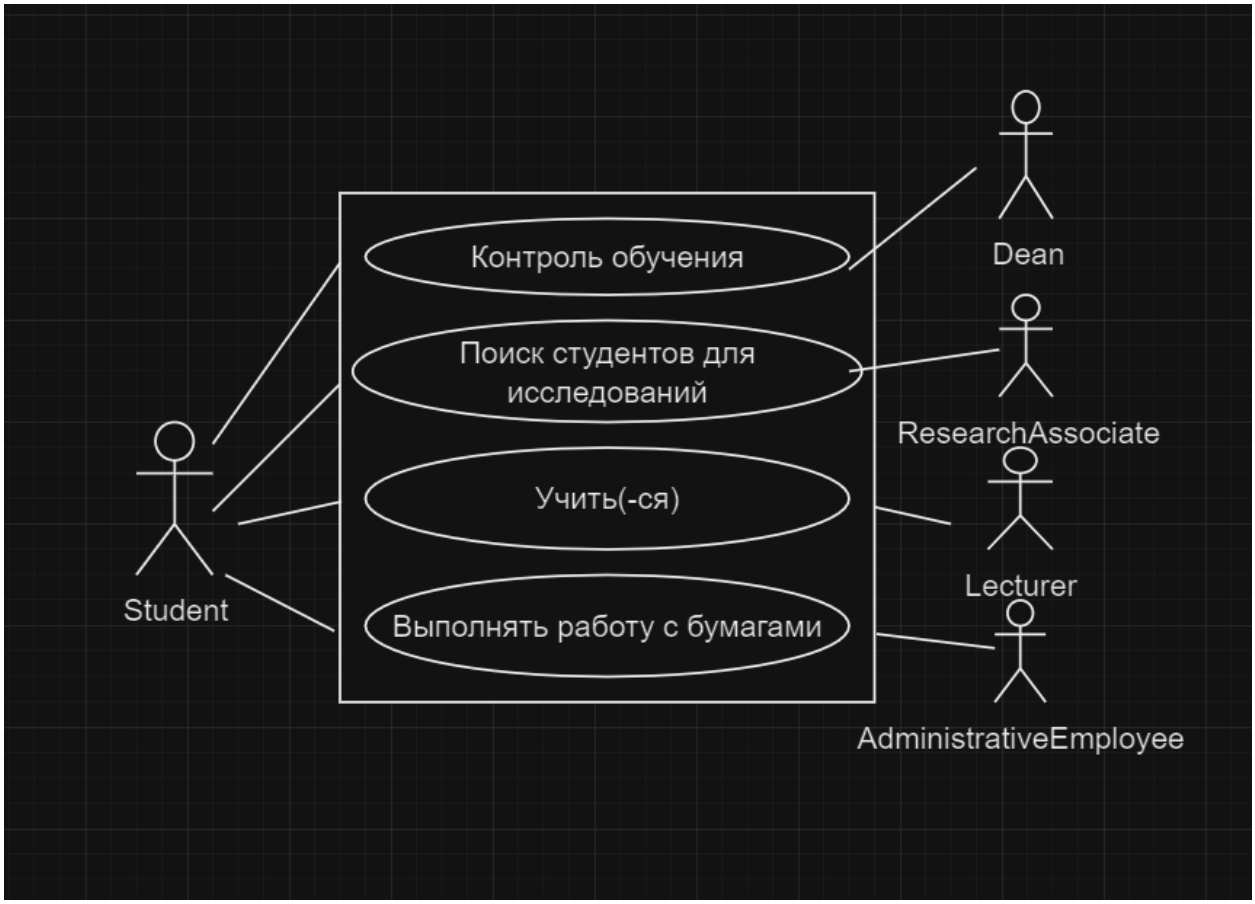

Контроль обучения
Поиск студентов для исследований
Учить(-ся)
Выполнять работу с бумагами
Dean
ResearchAssociate
Lecturer
AdministrativeEmployee
Student

Диаграмма последовательности обучения

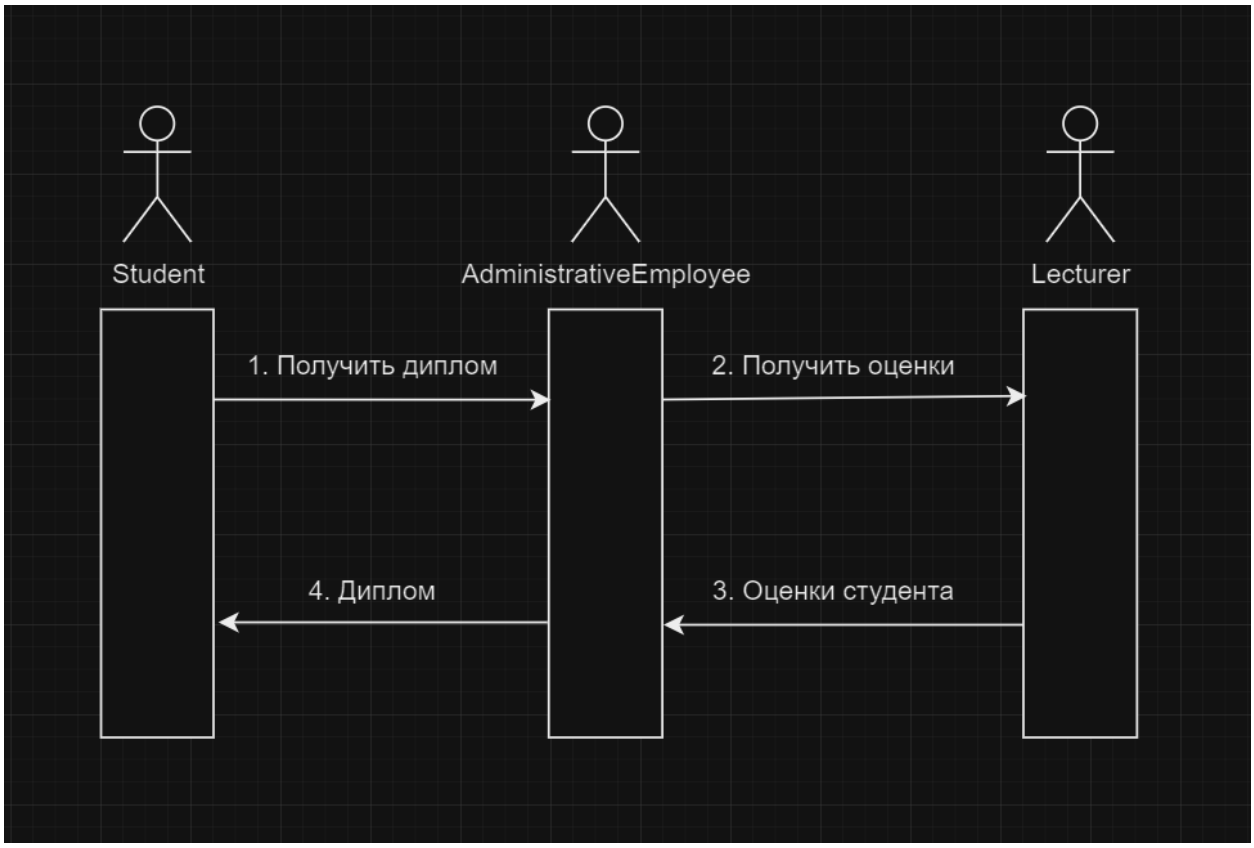
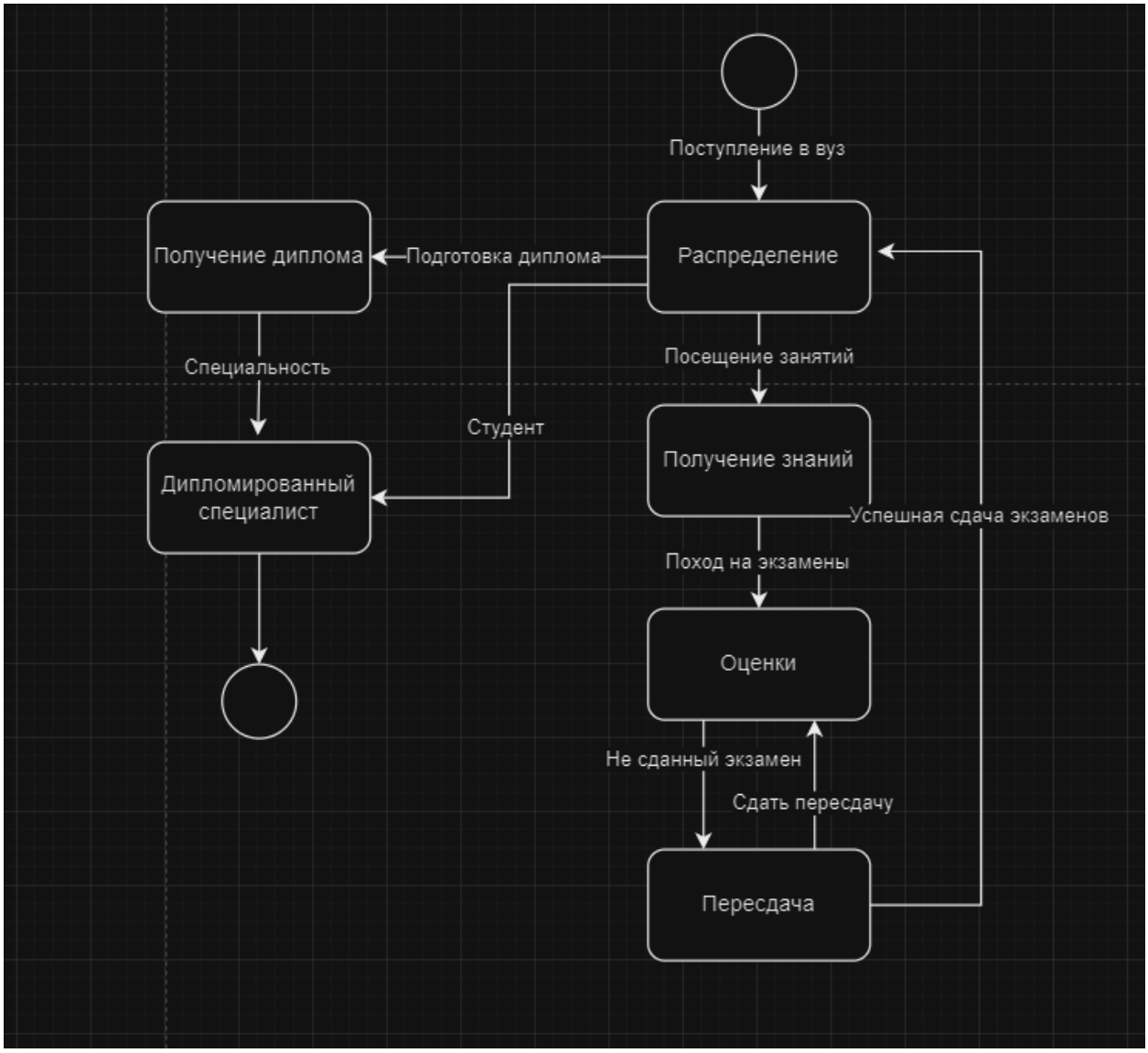


Диаграмма состояний



```java
2 usages
public class AdministrativeEmployee extends Employee {

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

    1 usage
    public double doSomePaperWork(){
        Scanner scanner = new Scanner(System.in);

        System.out.println("Введите количество документов - ");
        int doc = scanner.nextInt();

        System.out.println("Введите количество документов, обрабатываемых в день - ");
        int speed = scanner.nextInt();

        return (double) doc / speed;
    }

}
```

```
C:\Users\pavel\.jdks\openjdk-21.0.1\bin\java.exe "-javaagen
Введите количество документов -
35
Введите количество документов, обрабатываемых в день -
5
Количество дней на бумажную работу = 7.0 дней.

Process finished with exit code 0
```

public class Course {
no usages
public String name;
no usages
public int id;
no usages
public float hours;
no usages
public void addToMoodle() {
// TODO - implement Course.addToMoodle
throw new UnsupportedOperationException();
}
}

public class Dean extends Employee {
no usages
public String name;
no usages
public int ssNu;
no usages
public String email;
no usages
public int number_employee;
no usages
public char phone;
no usages
public void generalManagmentOfThefaculty() {
// TODO - implement Dean.generalManagmentOfThefaculty
throw new UnsupportedOperationException();
}
no usages
public void monitorTheConductOfTrainingSessions() {
// TODO - implement Dean.monitorTheConductOfTrainingSessions
throw new UnsupportedOperationException();
}
no usages
public void viewEducationPlans() {
// TODO - implement Dean.viewEducationPlans
throw new UnsupportedOperationException();
}
}

public class Employee {
no usages
public int ssNu;
no usages
public String name;
no usages
public String email;
no usages
public void getSalary() {
// TODO - implement Employee.getSalary
throw new UnsupportedOperationException();
}
}

```java
public class Faculty {

    no usages
    public String name;

    no usages
    public void acceptNewStudents() {
        // TODO - implement Faculty.acceptNewStudents
        throw new UnsupportedOperationException();
    }

    no usages
    public void removeBadStudents() {
        // TODO - implement Faculty.removeBadStudents
        throw new UnsupportedOperationException();
    }

}
```

```java
public class Institute {

    no usages
    public String name;
    no usages
    public String address;

    no usages
    public void doAdvertistingToFindNewStudents() {
        // TODO - implement Institute.doAdvertistingToFindNewStudents
        throw new UnsupportedOperationException();
    }

    no usages
    public void createVacanclesToNewEmployees() {
        // TODO - implement Institute.createVacanclesToNewEmployees
        throw new UnsupportedOperationException();
    }

}
```

```java
public class Lecturer extends ResearchAssociate {

    no usages
    public void teach() {
        // TODO - implement Lecturer.teach
        throw new UnsupportedOperationException();
    }

    no usages
    public void makeStudyPlan() {
        // TODO - implement Lecturer.makeStudyPlan
        throw new UnsupportedOperationException();
    }

    no usages
    public void getStudentMarks() {
        // TODO - implement Lecturer.getStudentMarks
        throw new UnsupportedOperationException();
    }

}
```

```java
public class Project {

    no usages
    public String name;
    no usages
    public String start;
    no usages
    public String end;


    no usages
    public void getProjectCompletePercentage() {
        // TODO - implement Project.getProjectCompletePercentage
        throw new UnsupportedOperationException();
    }

}
```

```java
public class ResearchAssociate extends Employee {

    no usages
    public void fieldOfStudy() {
        // TODO - implement ResearchAssociate.fieldOfStudy
        throw new UnsupportedOperationException();
    }

    no usages
    public void doResearch() {
        // TODO - implement ResearchAssociate.doResearch
        throw new UnsupportedOperationException();
    }

    no usages
    public void findStudentsForResearch() {
        // TODO - implement ResearchAssociate.findStudentsForResearch
        throw new UnsupportedOperationException();
    }
}
```

```java
public class Student {

    no usages
    public String fullName;

    no usages
    public void study() {
        // TODO - implement Student.study
        throw new UnsupportedOperationException();
    }

}
```

no usages
public class University {
no usages
public String name;
no usages
public String address;
no usages
public String phone;
no usages
public void toProvideEducation() {
// TODO - implement University.toProvideEducation
throw new UnsupportedOperationException();
}
no usages
public void addEmployee() {
// TODO - implement University.addEmployee
throw new UnsupportedOperationException();
}
}