

Диаграмма классов

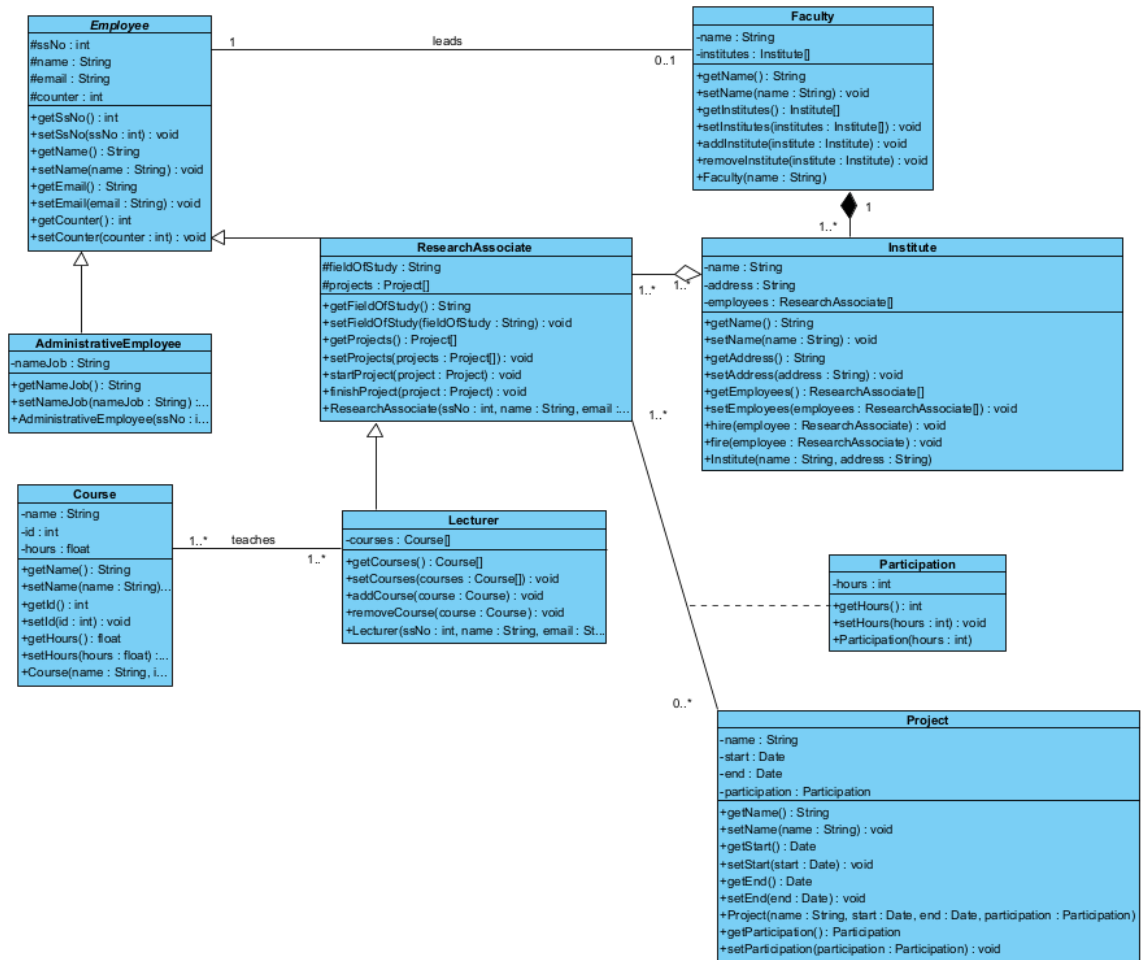
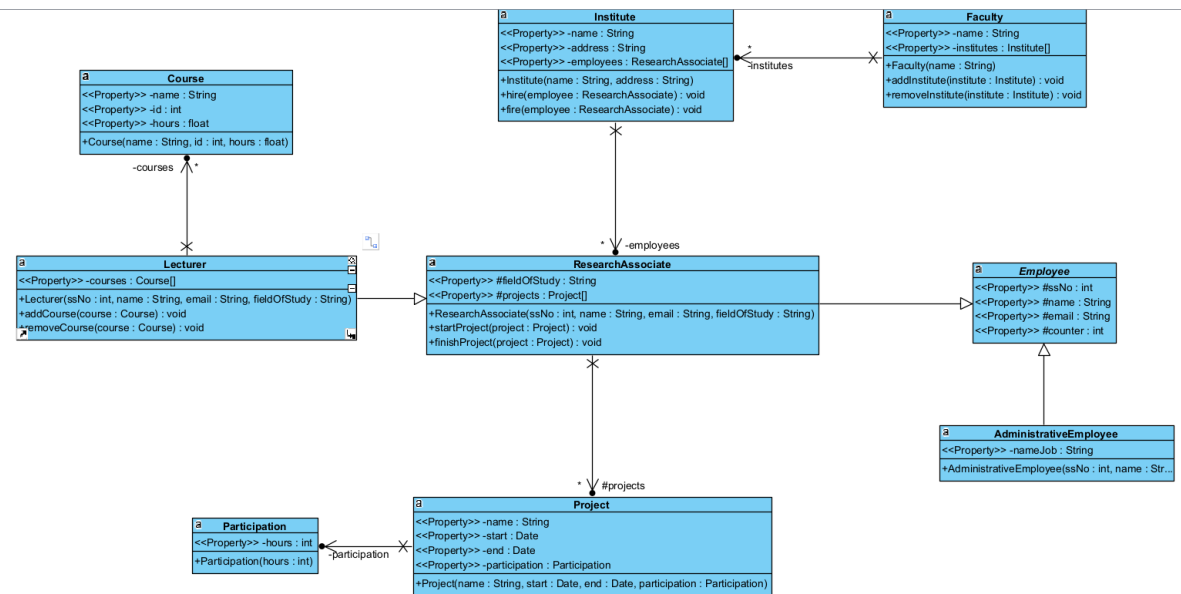
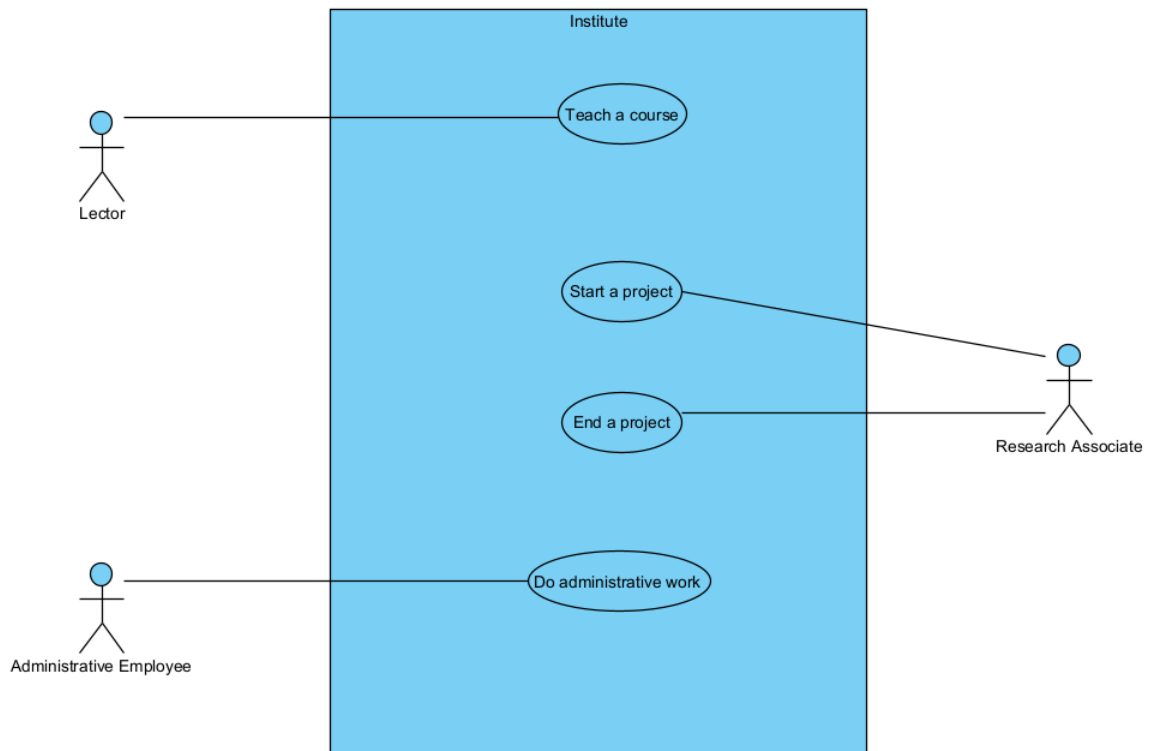


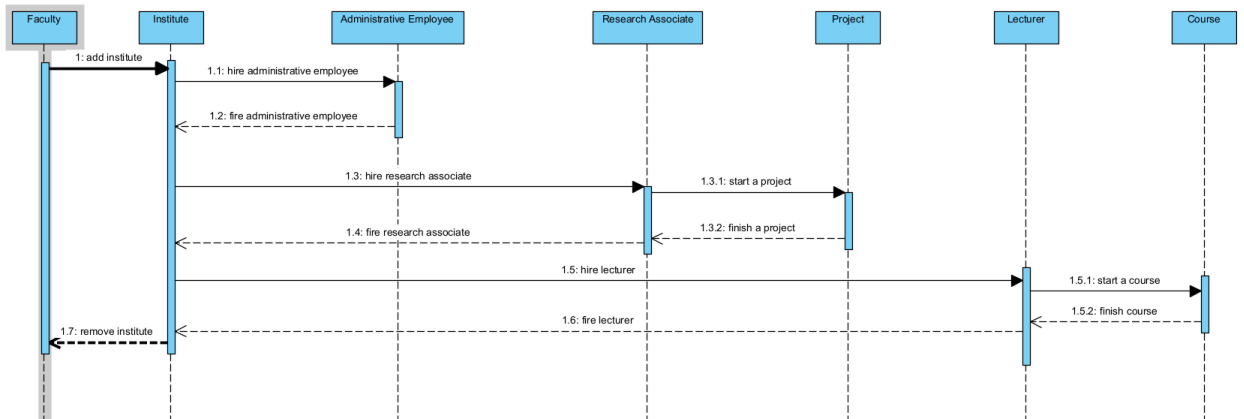
Диаграмма классов (сгенерированная)



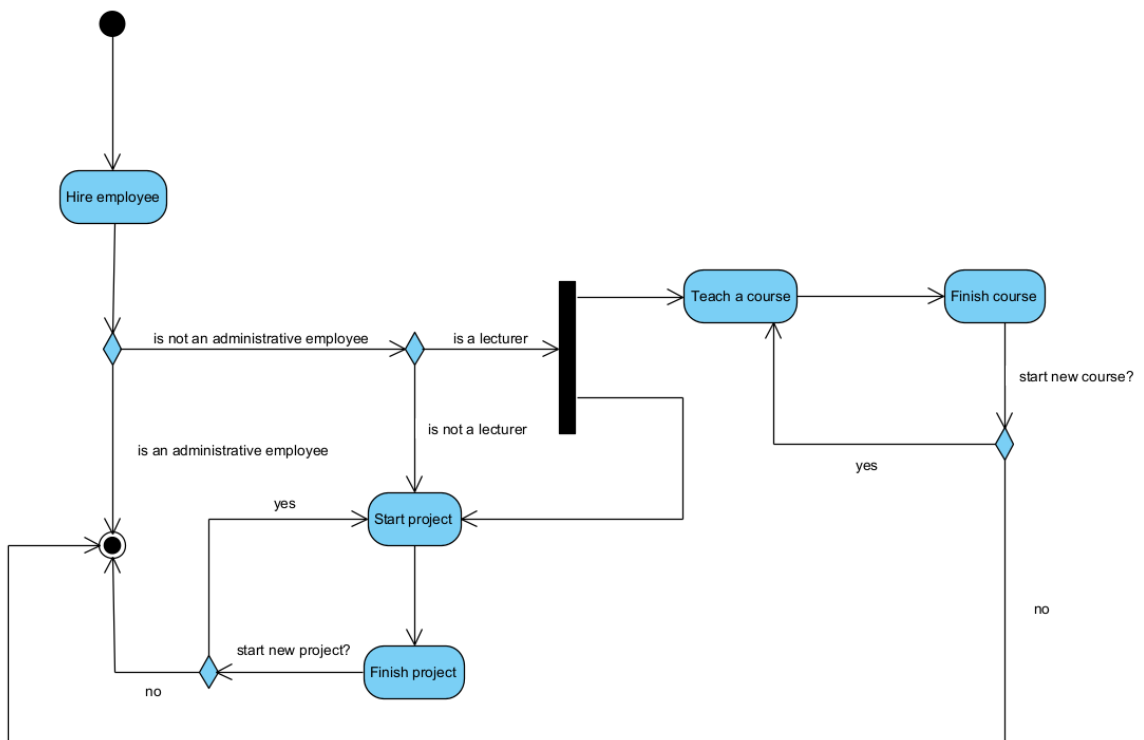
Use Case диаграмма



Sequence diagram



Activity diagram



Ввод

```
1 dellrain
public class Main {

    1 dellrain
    public static void main(String[] args) throws ParseException {
        Faculty economics = new Faculty( name: "Faculty of Economics");
        Institute ec = new Institute( name: "Economy", address: "University square, 1");
        Institute finance = new Institute( name: "Finance", address: "University square, 1");
        economics.setInstitutes(new Institute[]{ec, finance});

        ResearchAssociate employee1 = new ResearchAssociate( ssNo: 1, name: "Sara Connor", email: "saratheterminator@gmail.com", fieldOfStudy: "economy");
        ResearchAssociate employee2 = new ResearchAssociate( ssNo: 2, name: "Evgeniya Sergeeva", email: "evg_segio@gmail.com", fieldOfStudy: "economy");
        ResearchAssociate employee3 = new ResearchAssociate( ssNo: 3, name: "Oleg Matveev", email: "matveev2oleg44@gmail.com", fieldOfStudy: "finance");
        ResearchAssociate employee4 = new ResearchAssociate( ssNo: 4, name: "John Cena", email: "wwechampion@gmail.com", fieldOfStudy: "finance");
        ec.setEmployees(new ResearchAssociate[]{employee1, employee2});
        finance.setEmployees(new ResearchAssociate[]{employee3, employee4});

        Project project1 = new Project( name: "How can i become rich?",
            new SimpleDateFormat( pattern: "dd.MM.yyyy" ).parse( source: "12.12.2023" ),
            new SimpleDateFormat( pattern: "dd.MM.yyyy" ).parse( source: "08.03.2024" ), new Participation( hours: 5));
        employee1.setProjects(new Project[]{project1});

        Course course1 = new Course( name: "Finance: easy and clear", id: 25, hours: 60);
        Lecturer lecturer1 = new Lecturer( ssNo: 5, name: "Dmitry Vlasov", email: "vlasovdmitry12@gmail.com", fieldOfStudy: "finance");
        lecturer1.setCourses(new Course[]{course1});

        AdministrativeEmployee administrativeEmployee = new AdministrativeEmployee( ssNo: 6,
            name: "Anton Pekshev", email: "moonpekshev@gmail.com", nameJob: "admin");
```

Вывод

Institutes on Faculty of Economics:

Economy

Finance

Research Associates on Economy:

Sara Connor

Evgeniya Sergeeva

Research Associates on Finance:

Oleg Matveev

John Cena

Projects of Sara Connor:

How can i become rich?

Courses of Dmitry Vlasov:

Finance: easy and clear

Admin:

Anton Pekshev