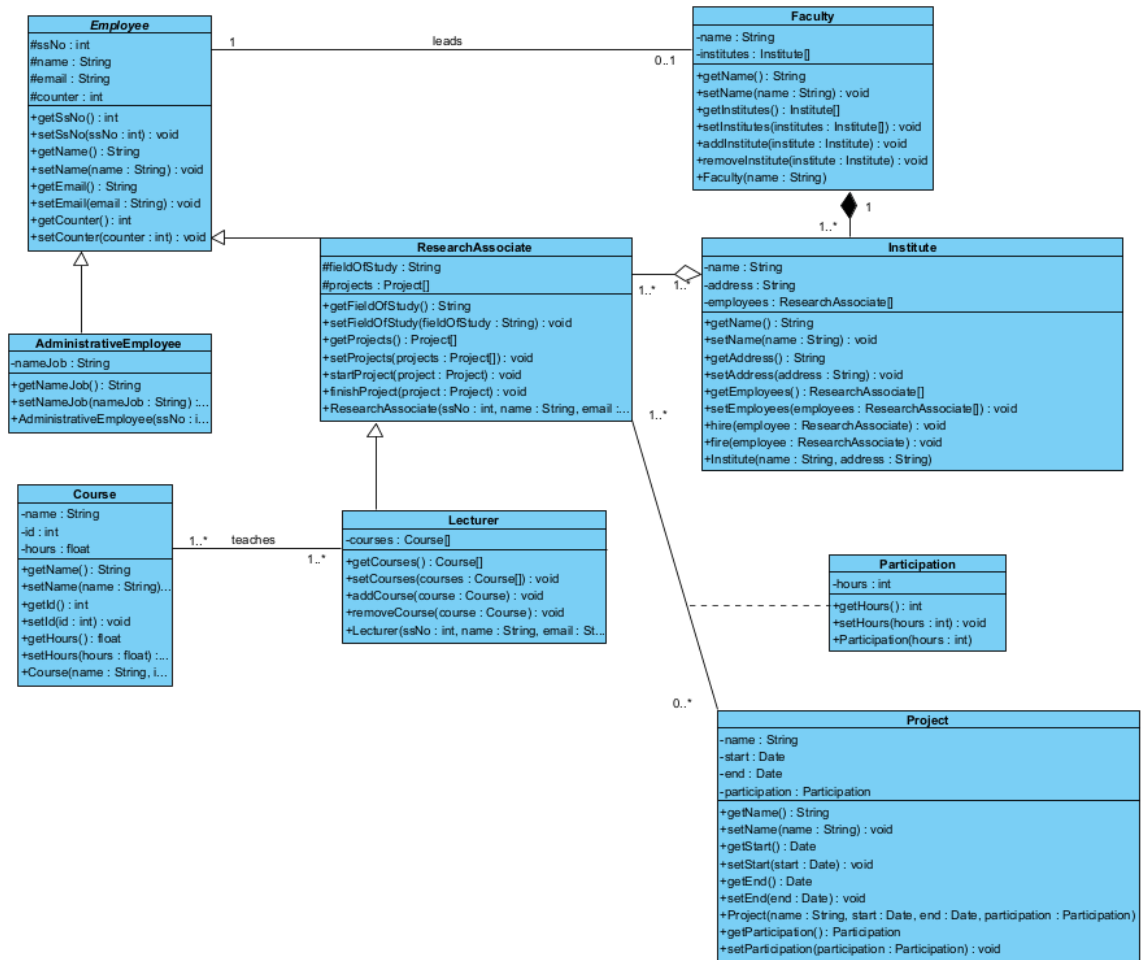
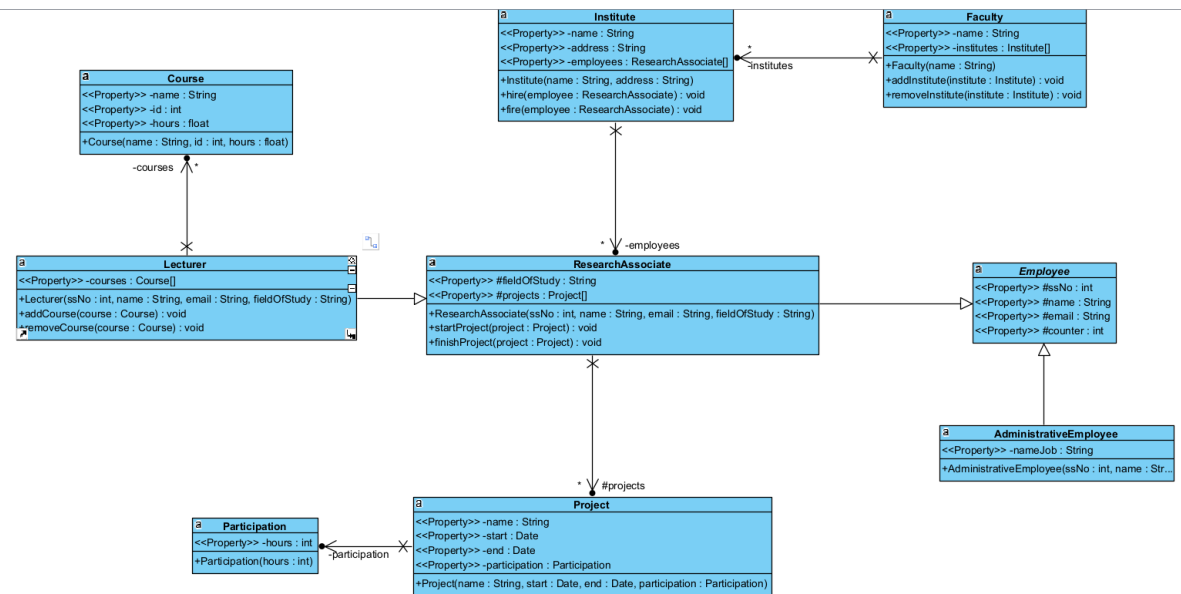


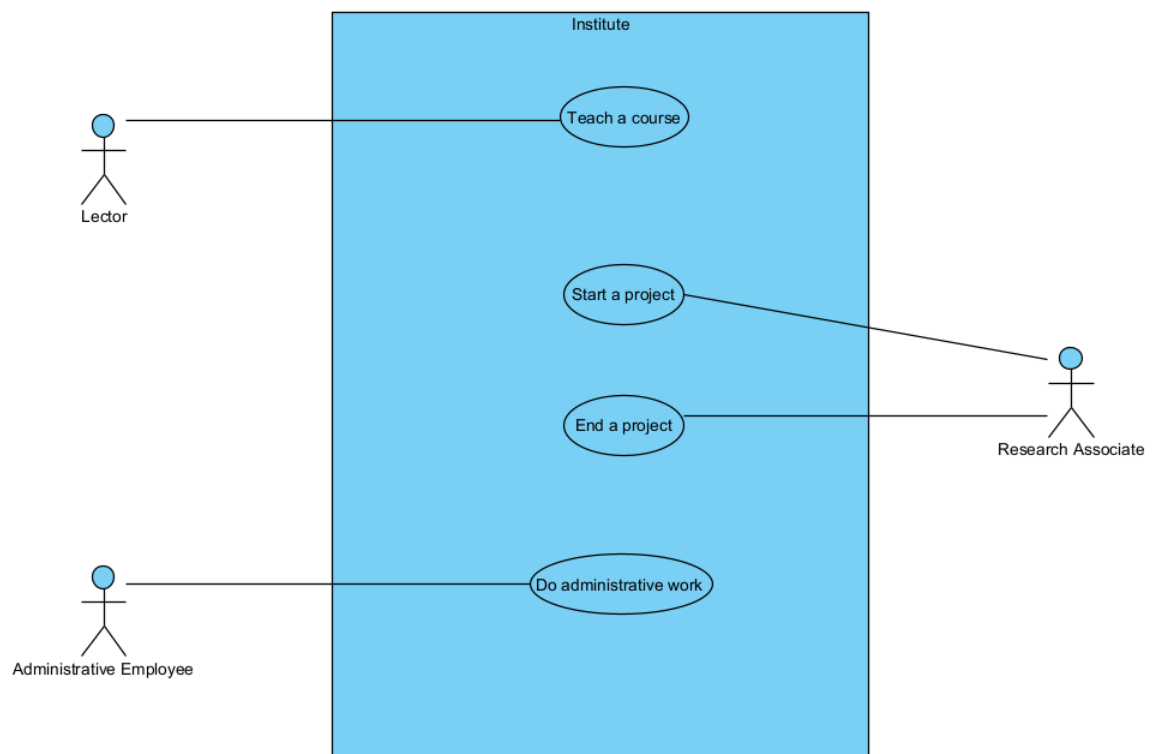
## Диаграмма классов



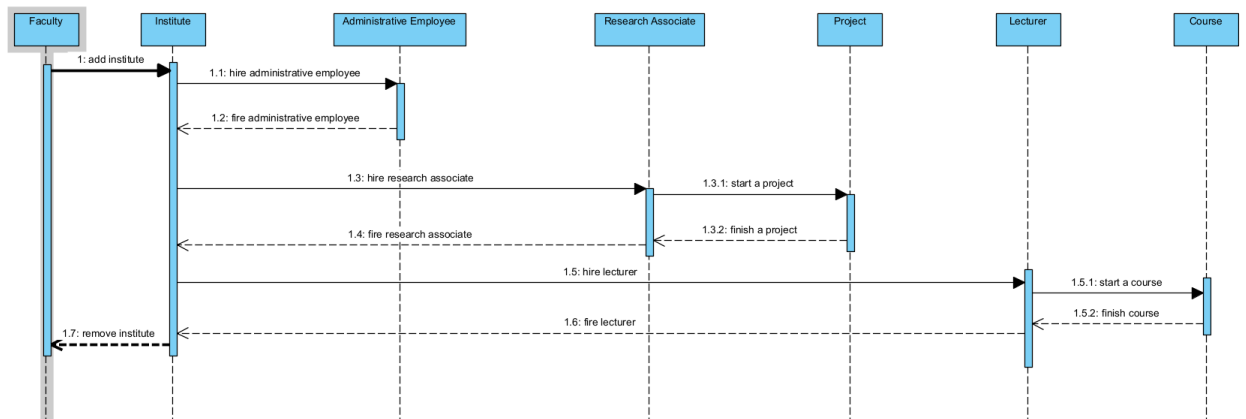
## Диаграмма классов (сгенерированная)



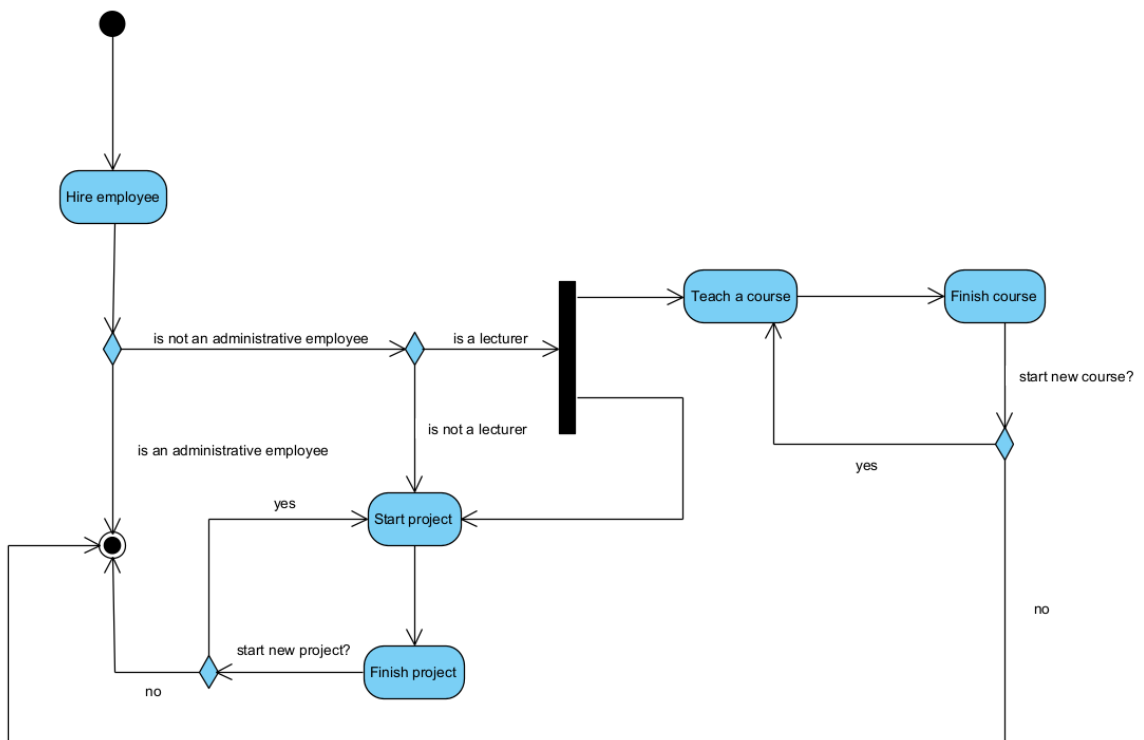
## Use Case диаграмма



## Sequence diagram



## Activity diagram



## Ввод

```
import java.text.SimpleDateFormat;

public class Main {

    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: "John Taylor", email: "jsdjd@gmail.com", fieldOfStudy: "economy");
        ResearchAssociate employee2 = new ResearchAssociate( ssNo: 2, name: "Tamara Ivanova", email: "tamara@gmail.com", fieldOfStudy: "economy");
        ResearchAssociate employee3 = new ResearchAssociate( ssNo: 3, name: "Sveta Rosochkina", email: "sveta@gmail.com", fieldOfStudy: "finance");
        ResearchAssociate employee4 = new ResearchAssociate( ssNo: 4, name: "Jack Black", email: "jsksdk@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: "Victor Romashkin", email: "victor@gmail.com", fieldOfStudy: "finance");
        lecturer1.setCourses(new Course[]{course1});

        AdministrativeEmployee administrativeEmployee = new AdministrativeEmployee( ssNo: 6,
            name: "Stepan Kurochkin", email: "stepan@gmail.com", nameJob: "admin");
```

## Вывод

Institutes on Faculty of Economics:

Economy

Finance

Research Associates on Economy:

John Taylor

Tamara Ivanova

Research Associates on Finance:

Sveta Rosochkina

Jack Black

Projects of John Taylor:

How can i become rich?

Courses of Victor Romashkin:

Finance: easy and clear

Admin:

Stepan Kurochkin

Process finished with exit code 0